

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

Our ref: 12592592

March 17, 2023

State of New Mexico Energy, Minerals and Resource Oil Conservation Division,
District 1
1625 N. French Drive
Hobbs, New Mexico 88240

Re: **Site Closure Report**
Queso Blanco LACT Release Site
3 Bear Energy-Cottonwood, LLC
Incident ID: nAPP2223530289M-13-22S-34E, Lea County, New Mexico

To Whom It May Concern:

1. Introduction

GHD Services, Inc. (GHD), on behalf of 3 Bear Energy-Cottonwood, LLC, which is owned and operated by Delek Logistics Partners, LP (Delek), submits this Site Closure Report to the State of New Mexico Energy, Minerals and Resource Oil Conservation Division (OCD) District 1 Office. This Report provides documentation of remedial activities in the crude oil affected area at the Queso Blanco LACT Release Site (Site). Centennial Resources is the operator of the pad location and associated equipment surrounding the release area. The surface owner of the land where the release occurred is the New Mexico State Land Office (NMSLO). The Site is located in Unit Letter M Section 13 of Township 22 South and Range 34 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.3879056° N latitude and 103.43000418° W longitude. Figure 1 depicts the Site location. The Delek LACT Unit and other site details are depicted on Figure 2.

2. Background and Regulatory Notification Information

The release is subject to the jurisdiction of the OCD District I Office in Hobbs, New Mexico. Notice was given to the OCD via Notification of Release (NOR) Submission, Action 136666. A C-141 Release Notification for this release was submitted to the OCD on August 20, 2022. The C-141 stated that the volume of crude oil released is unknown. The OCD assigned the release with Incident Number nAPP2223530289. The C-141 stated that approximately sixteen (16) barrels of crude oil were released. The release occurred as the result of a valve not being properly tightened after maintenance. Approximately sixteen (16) barrels of crude oil were recovered.

3. Site Characterization and Closure Criteria

GHD characterized the Site according to Table I, 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) (NMAC Table I Closure Criteria).

According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i), the Site is located within an area of low karst potential. No groundwater data was available within one-half mile of the Site. In addition, no receptors (i.e. water wells, playas, wetlands, waterways, lakebeds, or ordinance boundaries) were located within each regulatory specified distance and/or boundary from the Site. Also based on our review, the Site is not located in a mapped floodplain. Documentation of the Site characterization and receptor review are included as Attachment A. Based on the results of the site characterization, the closure criteria are listed below:

General Site Characterization and Groundwater Information:

Site Characterization	Average Groundwater Depth (ft)
No Receptors Found	Unknown, treated as less than fifty (50) feet

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 feet)	600 mg/kg	100 mg/kg	50 mg/kg	10 mg/kg
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	50 mg/kg	10 mg/kg

4. Soil Remediation Activities

4.1 Initial Remedial Excavation and Soil Assessment Activities

On August 29, 2022, GHD and Delek's contractor Frontier, on behalf of Delek, initiated remedial excavation activities in the impacted area of the Site. On August 30, 2022, five (5) test pits (SP-1 through SP-5) were excavated within the suspected impacted area for field screening purposes. Samples were collected at varying depths from one (1) foot to four (4) feet below ground surface (bgs). Samples were field screened for chlorides and submitted to Hall Environmental, in Albuquerque New, Mexico and analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA SW846 Method 8021B, total petroleum hydrocarbons (TPH) by EPA SW846 Method 8015B Modified, and chloride EPA Methods For Chemical Analysis of Water and Wastes (MCAWW) Method 300.0. Analytical results indicated none of the samples had concentrations above Table I Closure Criteria. Sample locations are presented on Figure 2 and summarized in Table 1. The laboratory analytical report and chain of custody (COC) are attached as Attachment B.

Based on the results of the field screening activities, excavation activities continued until depths that corresponded to the test pit sample depths were achieved, and confirmation soil sampling was conducted. A photographic log is included as Attachment C.

4.2 Excavation Confirmation Soil Sampling Activities

On October 6, 2022, GHD collected forty-two (42) composite excavation bottom hole soil samples (BH-1 through BH-42) and seven (7) composite excavation sidewall soil samples (SW-1 through SW-7). The excavation bottom hole soil samples were collected at a depth of one and one half (1.5) to four (4) feet bgs and the excavation sidewall soil samples were collected at depths ranging from zero (0) to four (4) feet bgs. The soil samples were analyzed for BTEX by EPA SW846 Method 8021B, TPH by EPA SW846 Method 8015B Modified, and chloride by EPA MCAWW Method 300.0 by Eurofins in Carlsbad, New Mexico.

None of the confirmation soil samples exhibited benzene, BTEX, or chloride concentrations above the NMAC Table I Closure Criteria. Analytical results indicated thirty-four (34) soil samples exhibited TPH concentrations above the Table I Closure Criteria. Sample locations are presented on Figure 2 with the analytical data being summarized in Table 1. The laboratory analytical report and COC are attached as Attachment B. In accordance with 19.15.29.12 D(1)(a) NMAC, sampling notifications are included as Attachment D.

4.3 Additional Remedial Excavation and Soil Sampling Activities

On November 7, 2022, GHD and Frontier returned to the Site to further excavate the affected areas, resample, and collect additional soil samples. The areas around BH-2 through BH-12 were excavated to 5 feet bgs and the impacted areas between BH-13 through BH-42 were excavated to 3 feet bgs. An additional eight (8) sidewall samples were collected between 0 and 3 feet around the excavation. Due to structural safety concerns, the area around the LACT units represented by sidewall sample SW-2 was not over-excavated. A deferral of remediation will be requested in Section 6 of this report. Following excavation activities, a composite soil sample was collected (original sample designation followed by the letter A) and submitted to Eurofins, located in Midland, Texas. The samples were analyzed for BTEX by EPA SW846 Method 8021B, TPH by EPA SW846 Method 8015B Modified, and chloride by EPA MCAWW Method 300.0.

None of the confirmation soil samples exhibited benzene, BTEX, or chloride concentrations above the NMAC Table I Closure Criteria. Analytical results indicated five (5) of the confirmation samples exhibited TPH concentrations above Table I Closure Criteria (BH-03A, BH-06A, BH-18A, BH-40A, and SW-13).

Due to the samples exhibiting TPH concentrations above Table I Closure Criteria, GHD and Frontier returned to the Site on December 15, 2022, to further excavate the affected areas and resample. The areas around BH-3 and BH-6A were excavated to 6.5 feet bgs; BH-18 was excavated to 5.5 feet bgs; BH-40 was excavated to 5 feet bgs; and SW-13 was sampled between 0 and 4 feet. Following excavation activities, a composite soil sample was collected (original sample designation followed by the letter A) and submitted to Eurofins, located in Midland, Texas. The samples were analyzed for BTEX by EPA SW846 Method 8021B, TPH by EPA SW846 Method 8015B Modified, and chloride by EPA MCAWW Method 300.0.

Analytical results indicated none of the confirmation samples exhibited benzene, BTEX, TPH, or chloride concentrations above Table I Closure Criteria. Figure 2 depicts the locations of the composite confirmation samples. Analytical results are provided in Table 1 and in the Laboratory Analytical Reports provided in Attachment B. In accordance with 19.15.29.12 D(1)(a) NMAC, sampling notifications are included as Attachment D.

4.4 Waste Management and Site Restoration Activities

Waste management activities were performed in coordination with Delek directives. Frontier obtained regulatory approval via the successful processing of Form C-138 Request for Approval to Accept Solid Waste. The waste

was approved for acceptance at the OCD-permitted (WM-1-035), R360 Halfway Facility located at 6601 Hobbs Hwy US 62/180 Mile marker 66 Carlsbad, NM 88220. Approximately 1,980 cubic yards of impacted soils were removed from the remedial excavation and disposed of. The approved C-138 and waste manifests are available upon request but are not attached due to the size of the file. A summary of soil disposal is included in Table 2.

Based on the benzene, BTEX, TPH, and chloride analytical results being below the applicable NMAC Table I Closure Criteria, no further excavation was conducted. The excavation was backfilled with non-impacted soil imported to the Site from a locally sourced caliche and topsoil pit and compacted with heavy tracked equipment. A photographic log is included as Attachment C.

5. nAPP2223530289 Closure Request

Site characterization, soil delineation, and remediation activities for Incident nAPP2223530289 have been performed in accordance with applicable OCD guidance and regulations. GHD, on behalf of Delek, requests deferral of the remediation of crude oil impacted soils immediately surrounding the two (2) LACT Units represented by soil sample SW-2 due to equipment structural stability concerns. These areas will be remediated when the oil and gas production equipment is removed from the Site during Site decommissioning. Based upon supporting documentation provided in this report, GHD, on behalf of Delek, respectfully requests closure of nAPP2223530289.

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

Sincerely,

GHD


J.T. Murrey
Senior Project Manager


Mike Staffileno
Senior Project Director

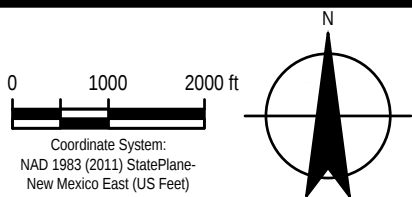
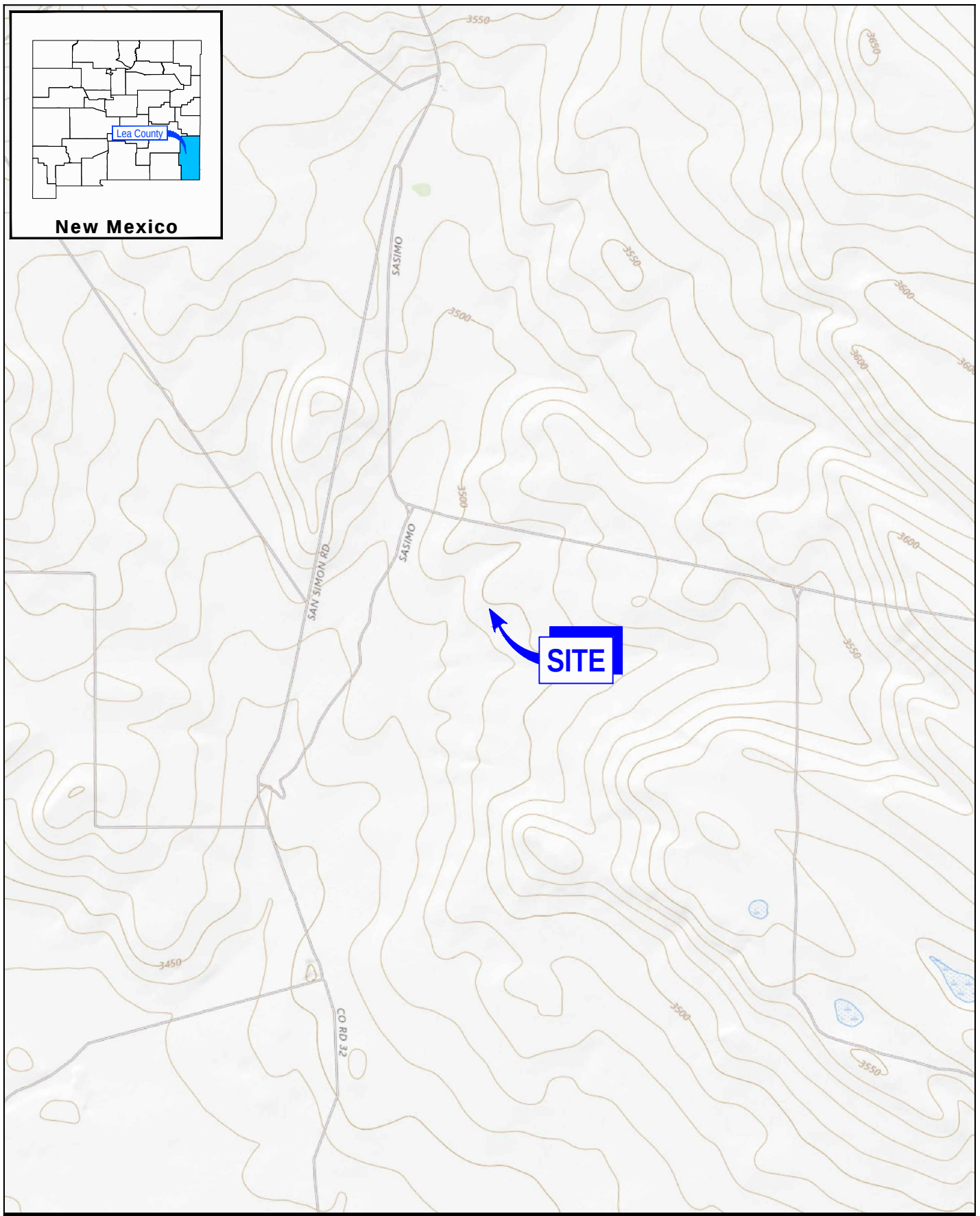
Encl. Figure 1 – Site Location Map
Figure 2 – Site Aerial Map
Figure 3 – Confirmation Sampling: Sample Locations Map

Table 1 – Summary of Soil Analytical Data
Table 2 – Summary of Waste Management Information

Attachment A – Site Characterization Documentation
Attachment B – Laboratory Analytical Reports and Chain-of-Custody Documentation
Attachment C – Photographic Log
Attachment D – Sampling Notifications

cc: Cassie Whitefield, Delek

Figures

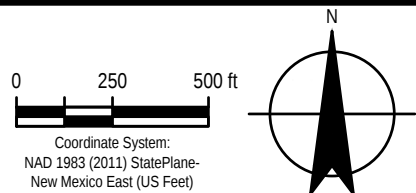


3 BEAR ENERGY-COTTONWOOD, LLC.
OPERATED BY DELEK LOGISTICS PARTNERS, L.P.
LEA COUNTY, NEW MEXICO
QUESO BLANCO LACT RELEASE

Project No. 12592592
Date March 2023

SITE LOCATION MAP

FIGURE 1

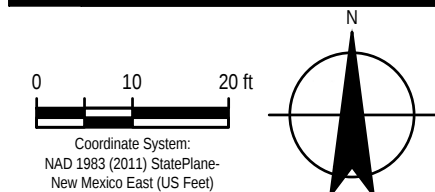
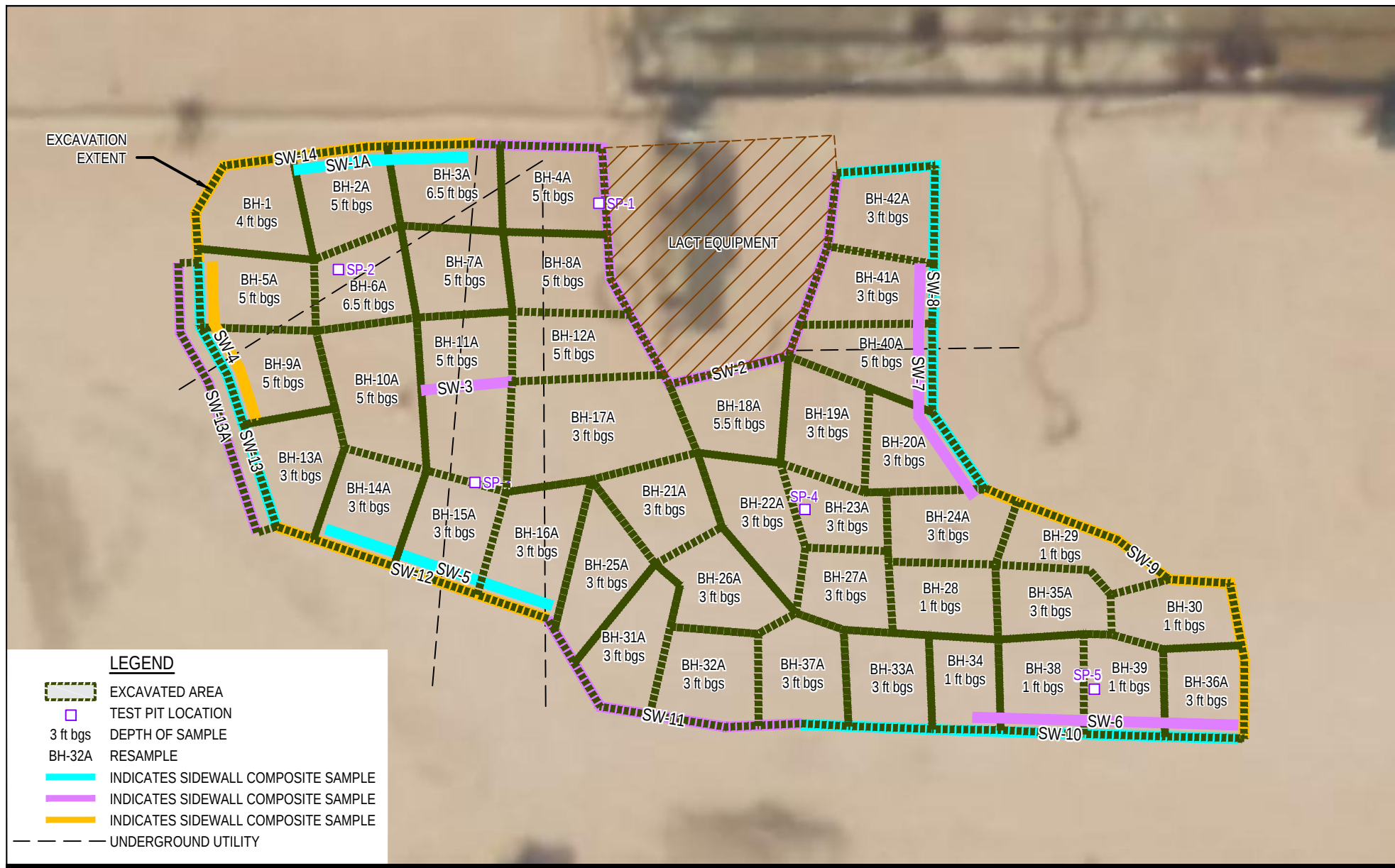


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SITE AERIAL MAP

FIGURE 2



Tables



Table 1
Summary of Soil Analytical Data
3 Bear Energy-Cottonwood, LLC
Queso Blanco LACT Release
Lea County, New Mexico

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Chemical Name:	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Total BTEX	TPH (C6-C10) GRO	TPH (>C10-C28) DRO	TPH (>C28-C36) ORO	Total TPH (C6-C36)	Chloride
NMAC 19.15.29.12 Table 1 Closure Criteria (GW ≤50 feet):	10	---	---	---	50	---	---	---	100	600

Location	Sample ID	Date	Depth	Initial Soil Screening Samples									
SP-1	SP-1	8/30/2022	3-4 ft BGS	<0.12	<0.24	<0.24	<0.48	<0.48	<24	<14	<46	<46	160
SP-2	SP-2	8/30/2022	3-4 ft BGS	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<45	<45	<60
SP-3	SP-3	8/30/2022	1-1.5 ft BGS	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<13	<45	<45	<60
SP-4	SP-4	8/30/2022	1-1.5 ft BGS	<0.12	<0.25	<0.25	<0.50	<0.50	<25	<14	<48	<48	<60
SP-5	SP-5	8/30/2022	1-1.5 ft BGS	<0.12	<0.24	<0.24	<0.48	<0.48	<24	<15	<50	<50	<60
Excavation Confirmation Soil Samples													
BH-1	BH01	10/06/2022	4- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00400	<49.9	<49.9	<49.9	<50.0	128
BH-2	BH02	10/06/2022	4- ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00400	<49.8	87.9	<49.8	87.9	41.0
BH-2	BH02A	11/07/2022	5- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	119
BH-3	BH03	10/06/2022	4- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00400	<49.9	52.9	<49.9	52.9	50.9
BH-3	BH03A	11/07/2022	5- ft BGS	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.8	501	65.3	566	79.7
BH-3	BH3A	12/15/2022	6.5- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	19.2
BH-4	BH04	10/06/2022	4- ft BGS	<0.00200	<0.00200	<0.00200	<0.00401	<0.00400	<49.9	131	<49.9	131	29.8
BH-4	BH04A	11/07/2022	5- ft BGS	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	181
BH-5	BH05	10/06/2022	4- ft BGS	<0.00200	<0.00200	<0.00200	<0.00401	<0.00400	<50.0	508	<50.0	508	15.2
BH-5	BH05A	11/07/2022	5- ft BGS	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	49.1
BH-6	BH06	10/06/2022	4- ft BGS	<0.00200	<0.00200	<0.00200	0.0210	0.0210	<50.0	279	<50.0	279	24.8
BH-6	BH06A	11/07/2022	5- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	294	<50.0	294	28.3
BH-6	BH6A	12/15/2022	6.5- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	65.3	<50.0	65.3	20.0
BH-7	BH07	10/06/2022	4- ft BGS	<0.00198	<0.00198	<0.00198	<0.00396	<0.00400	<49.8	630	<49.8	630	38.8
BH-7	BH07A	11/07/2022	5- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	52.9	<50.0	52.9	47.1
BH-8	BH08	10/06/2022	4- ft BGS	<0.00199	<0.00199	<0.00199	0.0108	0.0108	<49.8	112	<49.8	112	179
BH-8	BH08A	11/07/2022	5- ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	95.3	<50.0	95.3	189
BH-9	BH09	10/06/2022	4- ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00400	<49.9	466	<49.9	466	43.4
BH-9	BH09A	11/07/2022	5- ft BGS	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	31.0
BH-10	BH10	10/06/2022	4- ft BGS	<0.00200	<0.00200	<0.00200	<0.00401	<0.00400	<49.9	1240	<49.9	1240	68.7
BH-10	BH10A	11/07/2022	5- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	84.0	<49.9	84.0	46.5
BH-11	BH11	10/06/2022	4- ft BGS	<0.00201	<0.00201	<0.00201	0.0134	0.0134	<49.9	563	<49.9	563	67.4
BH-11	BH11A	11/07/2022	5- ft BGS	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	160
BH-12	BH12	10/06/2022	4- ft BGS	<0.00202	<0.00202	<0.00202	0.0399	0.0399	<49.8	82.1	<49.8	82.1	14.3
BH-12	BH12A	11/07/2022	5- ft BGS	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	73.5
BH-13	BH13	10/06/2022	1- ft BGS	<0.00200	<0.00200	<0.00200	<0.00399	<0.00400	<50.0	820	<50.0	820	40.8
BH-13	BH13A	11/07/2022	3- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	32.5
BH-14	BH14	10/06/2022	1- ft BGS	<0.00199	<0.00199	<0.00199	0.0300	0.0300	<49.8	575	<49.8	575	59.2
BH-14	BH14A	11/07/2022	3- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	29.9
BH-15	BH15	10/06/2022	1- ft BGS	<0.00202	<0.00202	<0.00202	<0.00404	<0.00400	<49.9	120	<49.9	120	71.8
BH-15	BH15A	11/07/2022	3- ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	24.0
BH-16	BH16	10/06/2022	1- ft BGS	<0.00200	<0.00200	<0.00200	0.0166	0.0166	<50.0	<50.0	<50.0	<50.0	21.8
BH-16	BH16A	11/07/2022	3- ft BGS	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	81.2	<50.0	81.2	53.8
BH-17	BH17	10/06/2022	1- ft BGS	<0.00199	<0.00199	<0.00199	0.306	0.306	<49.9	295	<49.9	295	36.0



Table 1
Summary of Soil Analytical Data
3 Bear Energy-Cottonwood, LLC
Queso Blanco LACT Release
Lea County, New Mexico

Chemical Name:				Benzene	Toluene	Ethylbenzene	Xylenes (total)	Total BTEX	TPH (C6-C10) GRO	TPH (>C10-C28) DRO	TPH (>C28-C36) ORO	Total TPH (C6-C36)	Chloride
NMAC 19.15.29.12 Table 1 Closure Criteria (GW ≤50 feet):				10	---	---	---	50	---	---	---	100	600
BH-17	BH17A	11/07/2022	3- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	57.6	<49.9	57.6	80.8
BH-18	BH18	10/06/2022	1- ft BGS	<0.00200	<0.00200	<0.00200	<0.00399	<0.00400	<49.9	1070	<49.9	1070	48.0
BH-18	BH18A	11/07/2022	3- ft BGS	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	258	<49.9	258	112
BH-18	BH18A	12/15/2022	5.5- ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	47.7
BH-19	BH19	10/06/2022	1- ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00400	<49.8	1380	<49.8	1380	57.4
BH-19	BH19A	11/07/2022	3- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	69.8
BH-20	BH20	10/06/2022	1- ft BGS	<0.00200	<0.00200	<0.00200	<0.00401	<0.00400	<50.0	124	<50.0	124	69.5
BH-20	BH20A	11/07/2022	3- ft BGS	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	62.5
BH-21	BH21	10/06/2022	1- ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00400	<49.9	97.2	<49.9	97.2	47.1
BH-21	BH21A	11/07/2022	3- ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	60.5	<49.8	60.5	87.2
BH-22	BH22	10/06/2022	1- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00400	<49.9	1430	154	1580	39.4
BH-22	BH22A	11/07/2022	3- ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	48.3
BH-23	BH23	10/06/2022	1- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00400	<49.8	1710	180	1890	25.7
BH-23	BH23A	11/07/2022	3- ft BGS	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.8	56.9	<49.8	56.9	32.3
BH-24	BH24	10/06/2022	1- ft BGS	<0.00200	<0.00200	<0.00200	<0.00401	<0.00400	<49.8	164	<49.8	164	63.0
BH-24	BH24A	11/07/2022	3- ft BGS	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	69.5	<49.9	69.5	44.2
BH-25	BH25	10/06/2022	1- ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00400	<50.0	501	54.1	555	30.8
BH-25	BH25A	11/07/2022	3- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	0.444
BH-26	BH26	10/06/2022	1- ft BGS	<0.00200	<0.00200	<0.00200	<0.00401	<0.00400	<50.0	490	62.7	553	31.1
BH-26	BH26A	11/07/2022	3- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	25.6
BH-27	BH27	10/06/2022	1- ft BGS	<0.00202	<0.00202	<0.00202	<0.00404	<0.00400	<49.9	1620	173	1790	73.2
BH-27	BH27A	11/07/2022	3- ft BGS	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	66.2	<49.9	66.2	33.3
BH-28	BH28	10/06/2022	1- ft BGS	<0.00200	<0.00200	<0.00200	<0.00399	<0.00400	<50.0	<50.0	<50.0	<50.0	49.2
BH-29	BH29	10/06/2022	1- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00400	<50.0	<50.0	<50.0	<50.0	41.9
BH-30	BH30	10/06/2022	1- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00400	<49.8	<49.8	<49.8	<50.0	34.0
BH-31	BH31	10/06/2022	1- ft BGS	<0.00200	<0.00200	<0.00200	<0.00401	<0.00400	<49.8	811	88.4	679	46.5
BH-31	BH31A	11/07/2022	3- ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	39.2
BH-32	BH32	10/06/2022	1- ft BGS	<0.00200	<0.00200	<0.00200	<0.00399	<0.00400	<49.9	1110	124	1230	54.9
BH-32	BH32A	11/07/2022	3- ft BGS	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<49.9	50.2	<49.9	50.2	40.6
BH-33	BH33	10/06/2022	1- ft BGS	<0.00199	<0.00199	<0.00199	0.00664	0.00664	<50.0	201	<50.0	201	46.7
BH-33	BH33A	11/07/2022	3- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	81.6
BH-34	BH34	10/06/2022	1- ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00400	<50.0	<50.0	<50.0	<50.0	30.0
BH-35	BH35	10/06/2022	1- ft BGS	<0.00200	<0.00200	<0.00200	<0.00401	<0.00400	<49.9	76.7	<49.9	76.7	53.1
BH-35	BH35A	11/07/2022	3- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	30.7
BH-36	BH36	10/06/2022	1- ft BGS	0.00282	0.00259	<0.00200	0.00472	0.0101	<50.0	<50.0	<50.0	<50.0	70.0
BH-36	BH36A	11/07/2022	3- ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	25.3
BH-37	BH37	10/06/2022	1- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00400	<50.0	245	<50.0	245	59.4
BH-37	BH37A	11/07/2022	3- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	70.4
BH-38	BH38	10/06/2022	1- ft BGS	<0.00198	<0.00198	<0.00198	<0.00397	<0.00400	<49.8	<49.8	<49.8	<50.0	45.7
BH-39	BH39	10/06/2022	1- ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00400	<49.8	<49.8	<49.8	<50.0	44.3
BH-40	BH40	10/06/2022	1- ft BGS	<0.00201	0.0790	0.0623	0.227	0.368	177	4530	459	5170	50.0
BH-40	BH40A	11/07/2022	3- ft BGS	<0.00200	0.0491	0.0550	0.189	0.293	62.6	3030	346	3440	30.6



Table 1
Summary of Soil Analytical Data
3 Bear Energy-Cottonwood, LLC
Queso Blanco LACT Release
Lea County, New Mexico

Page 3 of 3

Chemical Name:				Benzene	Toluene	Ethylbenzene	Xylenes (total)	Total BTEX	TPH (C6-C10) GRO	TPH (>C10-C28) DRO	TPH (>C28-C36) ORO	Total TPH (C6-C36)	Chloride
NMAC 19.15.29.12 Table 1 Closure Criteria (GW ≤50 feet):				10	---	---	---	50	---	---	---	100	600
BH-40	BH40A	12/15/2022	5- ft BGS	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.0	<50.0	<50.0	<50.0	33.9
BH-41	BH41	10/06/2022	1- ft BGS	<0.00200	<0.00200	<0.00200	0.0166	0.0166	<49.9	158	120	278	48.8
BH-41	BH41A	11/07/2022	3- ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	54.0	<49.9	54.0	52.1
BH-42	BH42	10/06/2022	1- ft BGS	<0.00200	<0.00200	<0.00200	0.00759	0.00759	<50.0	414	312	726	22.4
BH-42	BH42A	11/07/2022	3- ft BGS	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	84.0
SW-1	SW1	10/06/2022	0-4 ft BGS	<0.00199	<0.00199	<0.00199	0.0767	0.0767	<49.9	<49.9	<49.9	<50.0	60.9
SW-1	SW1A	11/07/2022	0-5 ft BGS	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	72.1	<49.9	72.1	43.2
SW-2	SW2	10/06/2022	0-4 ft BGS	0.0270	0.329	0.136	0.310	0.802	486	7570	5670	13700	90.7
SW-3	SW3	10/06/2022	0-4 ft BGS	<0.00202	<0.00202	<0.00202	<0.00403	<0.00400	<49.9	1340	1030	2370	58.0
SW-4	SW4	10/06/2022	1-4 ft BGS	<0.00198	<0.00198	<0.00198	<0.00396	<0.00400	<49.9	411	309	720	72.4
SW-5	SW5	10/06/2022	0-1 ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00400	<49.9	80.7	171	252	53.0
SW-6	SW6	10/06/2022	0-1 ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00400	<50.0	190	143	333	64.7
SW-7	SW7	10/06/2022	0-1 ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00400	<49.9	433	308	741	116
SW-8	SW8	11/07/2022	0-3 ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	50.1	<49.9	50.1	74.1
SW-9	SW9	11/07/2022	0-3 ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	65.4
SW-10	SW10	11/07/2022	0-3 ft BGS	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	66.8
SW-11	SW11	11/07/2022	0-3 ft BGS	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.9	<49.9	<49.9	<49.9	49.7
SW-12	SW12	11/07/2022	0-5 ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	40.2
SW-13	SW13	11/07/2022	0-5 ft BGS	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	90.2	131	224	41.5
SW-13	SW13A	12/15/2022	0-4 ft BGS	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	69.4
SW-14	SW14	11/07/2022	0-5 ft BGS	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	105

Footnotes:

- Values reported in mg/kg.
- < = Value Less than Reporting Limit (RL).
- Bold indicates analyte detected.
- BTEX analyses by EPA SW846 Method 8021B.
- TPH analyses by EPA SW846 Method 8015B Modified.
- Chloride analysis by EPA MCAWW Method 300.0.
- Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table 1 Closure Criteria for the site.
- J - the target analytes was positively identified below the quantitation limit and above the detection limit.
- BGS - below ground surface.
- = No NMAC 19.15.29.12 Table 1 Closure Criteria for listed constituent.

 Sample Point Excavated

Attachment A

Site Characterization Documentation

Karst Potential Map

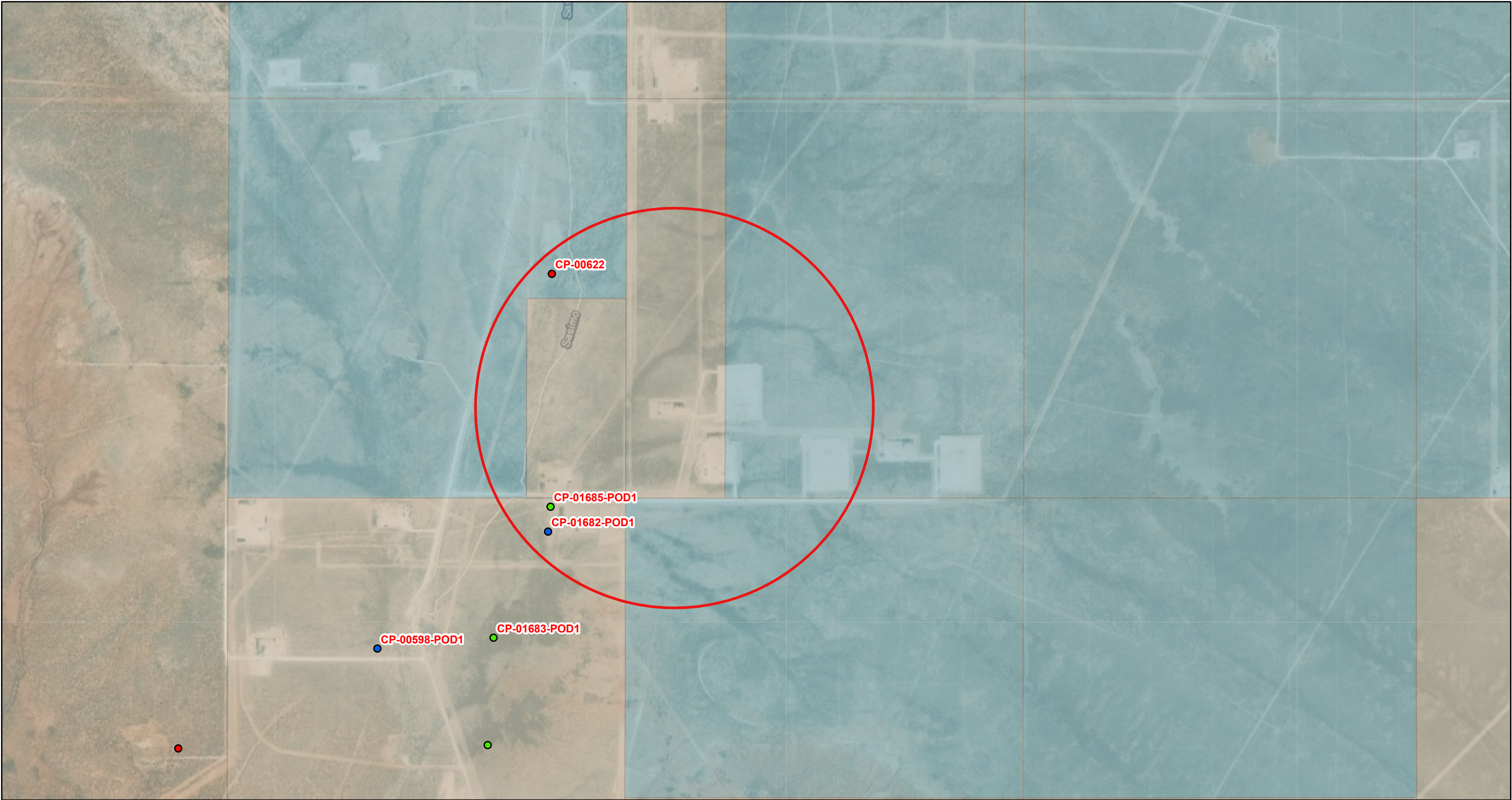
Queso

Legend

-  High
-  Low
-  Medium
-  Site



OSE POD Locations Map



8/29/2022, 2:25:16 PM

Override 1

Active

Pending

Plugged

OSE District Boundary

Water Right Regulations

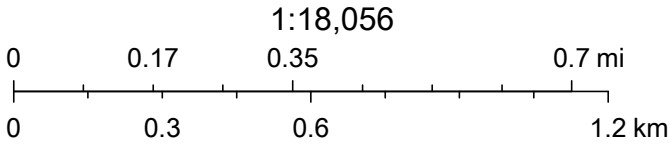
Closure Area

New Mexico State Trust Lands

Subsurface Estate

Both Estates

SiteBoundaries



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



New Mexico Office of the State Engineer

Point of Diversion Summary

</

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

8/29/22 1:24 PM POINT OF DIVERSION SUMMARY

Significant watercourse Map

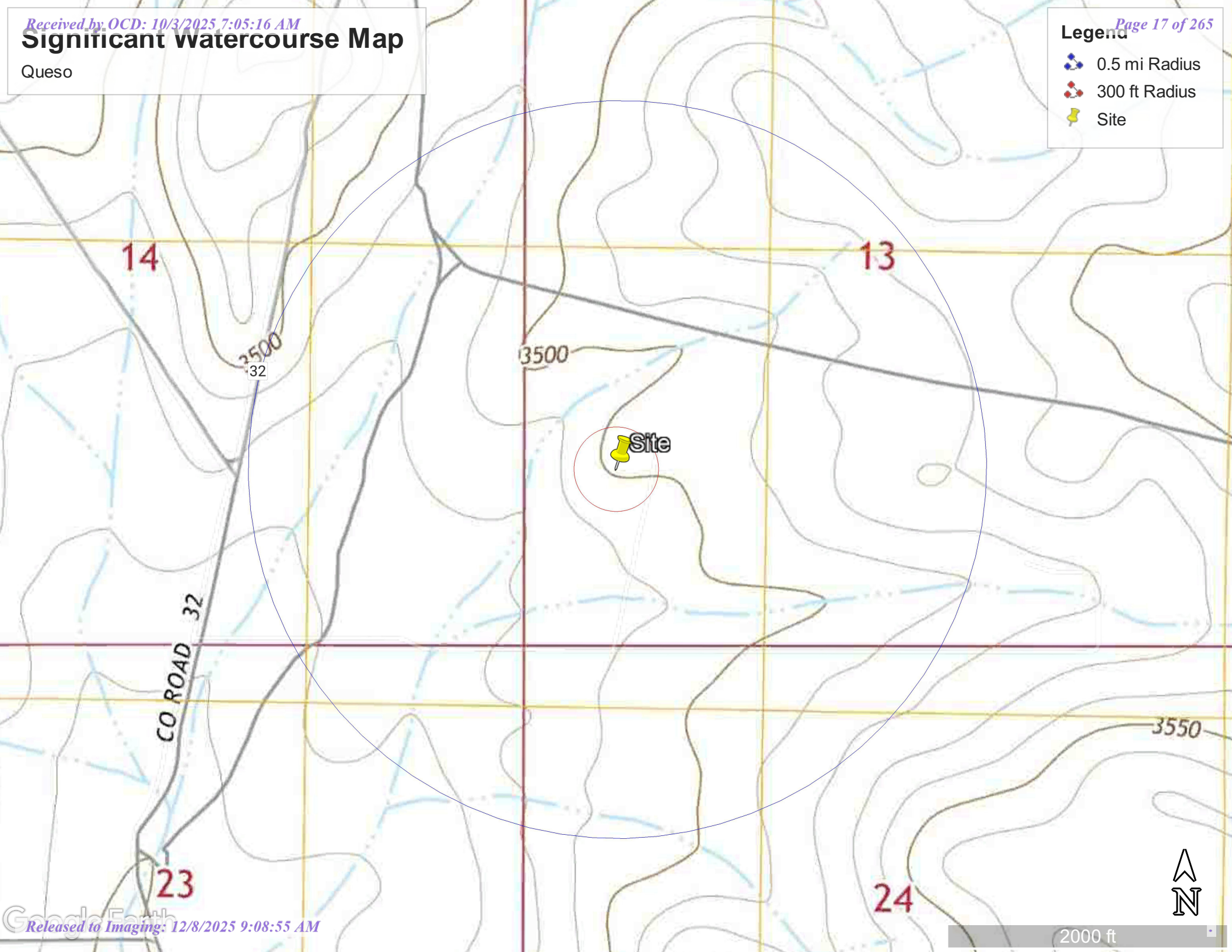
Queso

Legend

 0.5 mi Radius

 300 ft Radius

 Site





Wetlands Map



August 29, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

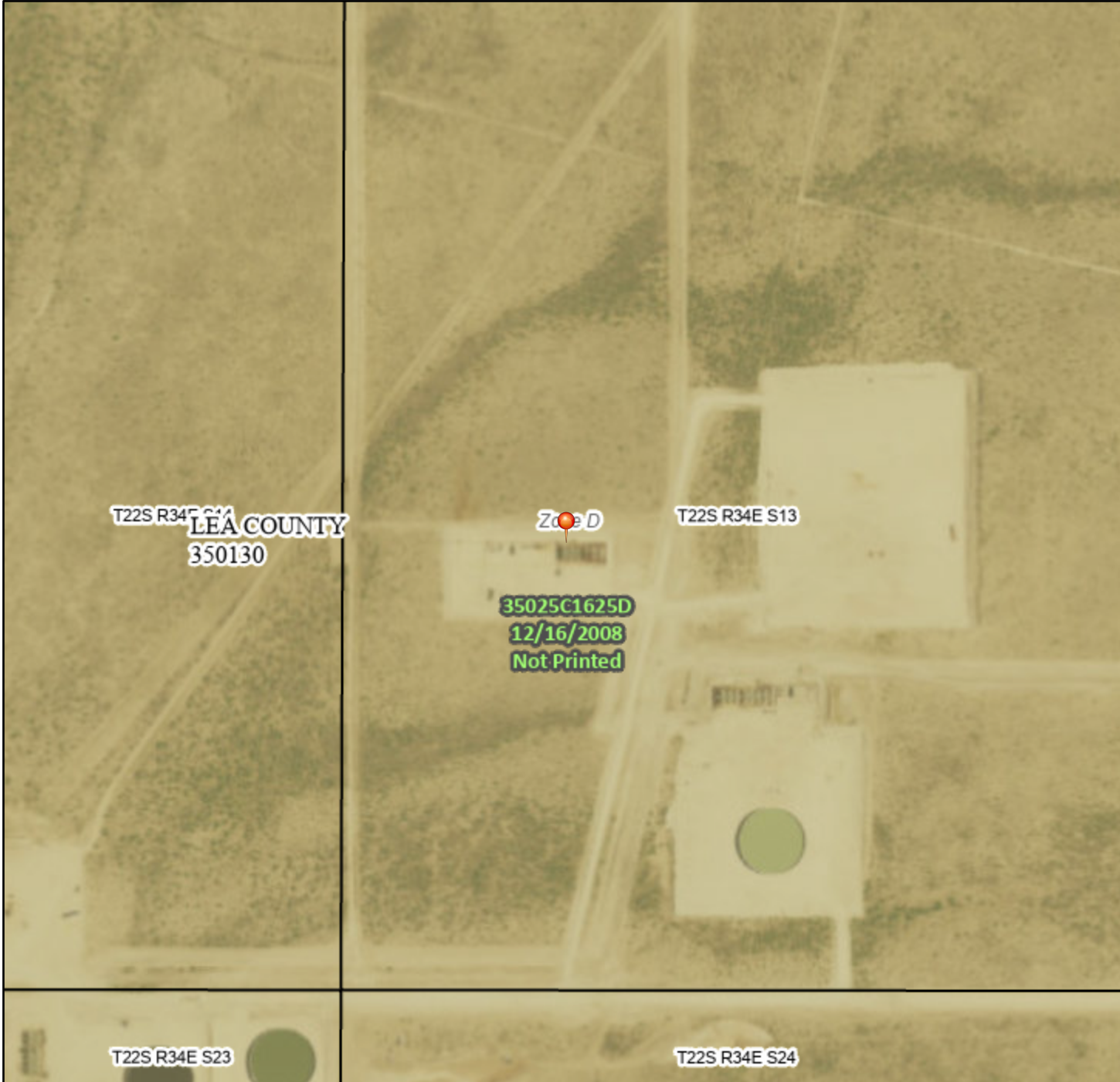
- Lake
- Other
- Riverine

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.

National Flood Hazard Layer FIRMMette



103°26'7"W 32°23'32"N



Legend

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

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



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

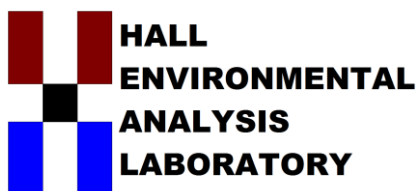
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/29/2022 at 3:46 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Attachment B

Laboratory Analytical Reports and Chain-of-Custody Documentation



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

September 07, 2022

Christine Matthews
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX:

RE: Queso Blanco

OrderNo.: 2208H99

Dear Christine Matthews:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/31/2022 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2208H99

Date Reported: 9/7/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SP-1

Project: Queso Blanco

Collection Date: 8/30/2022 10:00:00 AM

Lab ID: 2208H99-001

Matrix: SOIL

Received Date: 8/31/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	160	60		mg/Kg	20	9/1/2022 4:35:40 AM	69900
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/1/2022 7:57:10 PM	69888
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/1/2022 7:57:10 PM	69888
Surr: DNOP	106	21-129		%Rec	1	9/1/2022 7:57:10 PM	69888
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	9/1/2022 11:30:00 AM	69886
Surr: BFB	100	37.7-212		%Rec	5	9/1/2022 11:30:00 AM	69886
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.12		mg/Kg	5	9/1/2022 11:30:00 AM	69886
Toluene	ND	0.24		mg/Kg	5	9/1/2022 11:30:00 AM	69886
Ethylbenzene	ND	0.24		mg/Kg	5	9/1/2022 11:30:00 AM	69886
Xylenes, Total	ND	0.48		mg/Kg	5	9/1/2022 11:30:00 AM	69886
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	5	9/1/2022 11:30:00 AM	69886

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

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

Page 1 of 9

Analytical Report

Lab Order 2208H99

Date Reported: 9/7/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SP-2

Project: Queso Blanco

Collection Date: 8/30/2022 10:30:00 AM

Lab ID: 2208H99-002

Matrix: SOIL

Received Date: 8/31/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/1/2022 5:37:42 AM	69900
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/1/2022 8:07:58 PM	69888
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	9/1/2022 8:07:58 PM	69888
Surr: DNOP	86.8	21-129		%Rec	1	9/1/2022 8:07:58 PM	69888
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2022 11:50:00 AM	69886
Surr: BFB	98.1	37.7-212		%Rec	1	9/1/2022 11:50:00 AM	69886
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/1/2022 11:50:00 AM	69886
Toluene	ND	0.049		mg/Kg	1	9/1/2022 11:50:00 AM	69886
Ethylbenzene	ND	0.049		mg/Kg	1	9/1/2022 11:50:00 AM	69886
Xylenes, Total	ND	0.098		mg/Kg	1	9/1/2022 11:50:00 AM	69886
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	9/1/2022 11:50:00 AM	69886

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

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

Page 2 of 9

Analytical Report

Lab Order 2208H99

Date Reported: 9/7/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SP-3

Project: Queso Blanco

Collection Date: 8/30/2022 11:00:00 AM

Lab ID: 2208H99-003

Matrix: SOIL

Received Date: 8/31/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/1/2022 5:50:06 AM	69900
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	9/1/2022 8:18:46 PM	69888
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	9/1/2022 8:18:46 PM	69888
Surr: DNOP	55.4	21-129		%Rec	1	9/1/2022 8:18:46 PM	69888
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2022 12:09:00 PM	69886
Surr: BFB	95.6	37.7-212		%Rec	1	9/1/2022 12:09:00 PM	69886
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/1/2022 12:09:00 PM	69886
Toluene	ND	0.049		mg/Kg	1	9/1/2022 12:09:00 PM	69886
Ethylbenzene	ND	0.049		mg/Kg	1	9/1/2022 12:09:00 PM	69886
Xylenes, Total	ND	0.097		mg/Kg	1	9/1/2022 12:09:00 PM	69886
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	9/1/2022 12:09:00 PM	69886

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

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

Page 3 of 9

Analytical Report

Lab Order 2208H99

Date Reported: 9/7/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SP-4

Project: Queso Blanco

Collection Date: 8/30/2022 11:30:00 AM

Lab ID: 2208H99-004

Matrix: SOIL

Received Date: 8/31/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/1/2022 6:02:31 AM	69900
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/1/2022 8:29:34 PM	69888
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/1/2022 8:29:34 PM	69888
Surr: DNOP	76.8	21-129		%Rec	1	9/1/2022 8:29:34 PM	69888
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	9/1/2022 12:29:00 PM	69886
Surr: BFB	101	37.7-212		%Rec	5	9/1/2022 12:29:00 PM	69886
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.12		mg/Kg	5	9/1/2022 12:29:00 PM	69886
Toluene	ND	0.25		mg/Kg	5	9/1/2022 12:29:00 PM	69886
Ethylbenzene	ND	0.25		mg/Kg	5	9/1/2022 12:29:00 PM	69886
Xylenes, Total	ND	0.50		mg/Kg	5	9/1/2022 12:29:00 PM	69886
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	5	9/1/2022 12:29:00 PM	69886

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

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

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Analytical Report

Lab Order 2208H99

Date Reported: 9/7/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SP-5

Project: Queso Blanco

Collection Date: 8/30/2022 2:00:00 PM

Lab ID: 2208H99-005

Matrix: SOIL

Received Date: 8/31/2022 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/1/2022 6:14:55 AM	69900
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/1/2022 8:40:24 PM	69888
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/1/2022 8:40:24 PM	69888
Surr: DNOP	87.5	21-129		%Rec	1	9/1/2022 8:40:24 PM	69888
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	9/1/2022 12:49:00 PM	69886
Surr: BFB	99.8	37.7-212		%Rec	5	9/1/2022 12:49:00 PM	69886
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.12		mg/Kg	5	9/1/2022 12:49:00 PM	69886
Toluene	ND	0.24		mg/Kg	5	9/1/2022 12:49:00 PM	69886
Ethylbenzene	ND	0.24		mg/Kg	5	9/1/2022 12:49:00 PM	69886
Xylenes, Total	ND	0.48		mg/Kg	5	9/1/2022 12:49:00 PM	69886
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	5	9/1/2022 12:49:00 PM	69886

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

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

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QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2208H99
07-Sep-22

Client: GHD Midland
Project: Queso Blanco

Sample ID: MB-69900	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 69900	RunNo: 90702
Prep Date: 8/31/2022	Analysis Date: 8/31/2022	SeqNo: 3243373 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-69900	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 69900	RunNo: 90702
Prep Date: 8/31/2022	Analysis Date: 8/31/2022	SeqNo: 3243374 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	15	1.5 15.00 0 100 90 110

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix interference
- B

Analyte detected in the associated Method Blank
- E

Estimated value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208H99

07-Sep-22

Client: GHD Midland**Project:** Queso Blanco

Sample ID: LCS-69888	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 69888			RunNo: 90763						
Prep Date: 8/31/2022	Analysis Date: 9/1/2022			SeqNo: 3244630	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	34	15	50.00	0	69.0	64.4	127			
Surr: DNOP	3.4		5.000		68.2	21	129			

Sample ID: MB-69888	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 69888			RunNo: 90763						
Prep Date: 8/31/2022	Analysis Date: 9/1/2022			SeqNo: 3244632	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.5		10.00		75.0	21	129			

Sample ID: LCS-69899	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 69899			RunNo: 90763						
Prep Date: 8/31/2022	Analysis Date: 9/2/2022			SeqNo: 3246702	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.7		5.000		114	21	129			

Sample ID: MB-69899	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 69899			RunNo: 90763						
Prep Date: 8/31/2022	Analysis Date: 9/2/2022			SeqNo: 3246703	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		105	21	129			

Qualifiers:

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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208H99

07-Sep-22

Client: GHD Midland**Project:** Queso Blanco

Sample ID: Ics-69886	SampType: LCS				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: LCSS	Batch ID: 69886				RunNo: 90749					
Prep Date: 8/31/2022	Analysis Date: 9/1/2022				SeqNo: 3243798	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	72.3	137			
Surr: BFB	2200		1000		217	37.7	212			S

Sample ID: mb-69886	SampType: MBLK				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: 69886				RunNo: 90749					
Prep Date: 8/31/2022	Analysis Date: 9/1/2022				SeqNo: 3243799	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		92.1	37.7	212			

Sample ID: Ics-69889	SampType: LCS				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: LCSS	Batch ID: 69889				RunNo: 90749					
Prep Date: 8/31/2022	Analysis Date: 9/1/2022				SeqNo: 3243822	Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2100		1000		213	37.7	212			S

Sample ID: mb-69889	SampType: MBLK				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: 69889				RunNo: 90749					
Prep Date: 8/31/2022	Analysis Date: 9/1/2022				SeqNo: 3243823	Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		1000		94.0	37.7	212			

Qualifiers:

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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208H99

07-Sep-22

Client: GHD Midland**Project:** Queso Blanco

Sample ID: Ics-69886	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 69886			RunNo: 90749						
Prep Date: 8/31/2022	Analysis Date: 9/1/2022			SeqNo: 3243846		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	1.000	0	81.0	80	120			
Toluene	0.83	0.050	1.000	0	83.1	80	120			
Ethylbenzene	0.84	0.050	1.000	0	84.3	80	120			
Xylenes, Total	2.5	0.10	3.000	0	83.9	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		92.2	70	130			

Sample ID: mb-69886	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 69886			RunNo: 90749						
Prep Date: 8/31/2022	Analysis Date: 9/1/2022			SeqNo: 3243847		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		89.8	70	130			

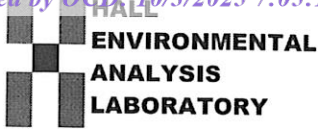
Sample ID: Ics-69889	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 69889			RunNo: 90749						
Prep Date: 8/31/2022	Analysis Date: 9/1/2022			SeqNo: 3243870		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.90		1.000		90.3	70	130			

Sample ID: mb-69889	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 69889			RunNo: 90749						
Prep Date: 8/31/2022	Analysis Date: 9/1/2022			SeqNo: 3243871		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.89		1.000		89.5	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank
E Estimated value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2208H99

RcptNo: 1

Received By: Juan Rojas 8/31/2022 7:40:00 AM

Completed By: Sean Livingston 8/31/2022 8:22:24 AM

Reviewed By: *KRC* 8-31-22*Guaranga**S. Livingston***Chain of Custody**

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: *Ju 8/31/22*

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.9	Good				



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3173-1

Laboratory Sample Delivery Group: 12592592

Client Project/Site: Delek Queso Blanco

Revision: 1

For:

GHD Services Inc.
6121 Indian School Road NE
Suite 200
Albuquerque, New Mexico 87110

Attn: Christine Mathews

Authorized for release by:

10/25/2022 2:18:47 PM

Debbie Simmons, Project Manager
(832)986-6768

Debbie.Simmons@et.eurofinsus.com

LINKS

Review your project
results through



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www.eurofinsus.com/Env

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

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

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Laboratory Job ID: 890-3173-1
SDG: 12592592

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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Eurofins Carlsbad

Case Narrative

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Job ID: 890-3173-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3173-1

Revision

The report being provided is a revision of the original report sent on 10/20/2022. The report (revision 1) is being revised due to: samples BH40, BH41, BH42, SW4, SW5, SW6 and SW7 had times collected on the original COC listed as collected after samples dropped at the Midland Lab. per email from Christine Mathews the correct times were relayed to the lab and report revised..

Receipt

The samples were received on 10/6/2022 2:07 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 2.2° C.

Receipt Exceptions

The collection time listed on the COC for samples 40,41,42,46,47,48,49 was chronologically later than the laboratory receipt time of 14:07 assumed as client mistake for samples BH40 (890-3173-40), BH41 (890-3173-41), BH42 (890-3173-42), SW4 (890-3173-46), SW5 (890-3173-47), SW6 (890-3173-48) and SW7 (890-3173-49).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-36963 and 880-36964 and analytical batch 880-37018 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-36971 and analytical batch 880-37033 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: The continuing calibration verification (CCV) associated with batch 880-36926 recovered above the upper control limit for m-Xylene & p-Xylene and o-Xylene. 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 880-36926/33).

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH31 (890-3173-31). 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: BH36 (890-3173-36). 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: BH39 (890-3173-39). 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 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-36626/3-A). 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 and precision for preparation batch 880-36397 and analytical batch 880-36689 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Case Narrative

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Job ID: 890-3173-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

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.

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH01

Lab Sample ID: 890-3173-1

Date Collected: 10/06/22 10:30

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/22 13:34	10/15/22 18:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/22 13:34	10/15/22 18:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/22 13:34	10/15/22 18:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/22 13:34	10/15/22 18:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/22 13:34	10/15/22 18:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/22 13:34	10/15/22 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	10/11/22 13:34	10/15/22 18:07	1
1,4-Difluorobenzene (Surr)	109		70 - 130	10/11/22 13:34	10/15/22 18:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/10/22 07:37	10/10/22 12:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/22 07:37	10/10/22 12:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/22 07:37	10/10/22 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	10/10/22 07:37	10/10/22 12:06	1
o-Terphenyl	90		70 - 130	10/10/22 07:37	10/10/22 12:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		4.97		mg/Kg			10/11/22 16:53	1

Client Sample ID: BH02

Lab Sample ID: 890-3173-2

Date Collected: 10/06/22 10:35

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/11/22 13:34	10/15/22 18:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/11/22 13:34	10/15/22 18:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/11/22 13:34	10/15/22 18:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/11/22 13:34	10/15/22 18:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/11/22 13:34	10/15/22 18:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/11/22 13:34	10/15/22 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	10/11/22 13:34	10/15/22 18:27	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH02

Lab Sample ID: 890-3173-2

Date Collected: 10/06/22 10:35

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	101		70 - 130	10/11/22 13:34	10/15/22 18:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	87.9		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/22 07:37	10/10/22 13:11	1
Diesel Range Organics (Over C10-C28)	87.9		49.8		mg/Kg		10/10/22 07:37	10/10/22 13:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/22 07:37	10/10/22 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				10/10/22 07:37	10/10/22 13:11	1
o-Terphenyl	82		70 - 130				10/10/22 07:37	10/10/22 13:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.0		5.00		mg/Kg			10/11/22 16:59	1

Client Sample ID: BH03

Lab Sample ID: 890-3173-3

Date Collected: 10/06/22 10:40

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/22 13:34	10/15/22 18:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/22 13:34	10/15/22 18:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/22 13:34	10/15/22 18:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/22 13:34	10/15/22 18:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/22 13:34	10/15/22 18:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/22 13:34	10/15/22 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	10/11/22 13:34	10/15/22 18:48	1
1,4-Difluorobenzene (Surr)	112		70 - 130	10/11/22 13:34	10/15/22 18:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.9		50.0		mg/Kg			10/11/22 09:32	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH03

Lab Sample ID: 890-3173-3

Date Collected: 10/06/22 10:40

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 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		mg/Kg		10/10/22 07:37	10/10/22 13:32	1
Diesel Range Organics (Over C10-C28)	52.9		49.9		mg/Kg		10/10/22 07:37	10/10/22 13:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/22 07:37	10/10/22 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				10/10/22 07:37	10/10/22 13:32	1
o-Terphenyl	82		70 - 130				10/10/22 07:37	10/10/22 13:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.9		4.98		mg/Kg			10/11/22 17:04	1

Client Sample ID: BH04

Lab Sample ID: 890-3173-4

Date Collected: 10/06/22 10:45

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/22 13:34	10/15/22 19:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/22 13:34	10/15/22 19:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/22 13:34	10/15/22 19:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/11/22 13:34	10/15/22 19:08	1
o-Xylene	0.00347		0.00200		mg/Kg		10/11/22 13:34	10/15/22 19:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/11/22 13:34	10/15/22 19:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				10/11/22 13:34	10/15/22 19:08	1
1,4-Difluorobenzene (Surr)	104		70 - 130				10/11/22 13:34	10/15/22 19:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	131		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/10/22 07:37	10/10/22 13:54	1
Diesel Range Organics (Over C10-C28)	131		49.9		mg/Kg		10/10/22 07:37	10/10/22 13:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/22 07:37	10/10/22 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				10/10/22 07:37	10/10/22 13:54	1
o-Terphenyl	81		70 - 130				10/10/22 07:37	10/10/22 13:54	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH04

Lab Sample ID: 890-3173-4

Date Collected: 10/06/22 10:45

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.8		4.95		mg/Kg			10/11/22 17:10	1

Client Sample ID: BH05

Lab Sample ID: 890-3173-5

Date Collected: 10/06/22 10:50

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 19:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 19:24	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		10/14/22 12:11	10/15/22 19:24	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		10/14/22 12:11	10/15/22 19:24	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		10/14/22 12:11	10/15/22 19:24	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		10/14/22 12:11	10/15/22 19:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				10/14/22 12:11	10/15/22 19:24	1
1,4-Difluorobenzene (Surr)	87		70 - 130				10/14/22 12:11	10/15/22 19:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	508		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/10/22 07:37	10/10/22 14:15	1
Diesel Range Organics (Over C10-C28)	508		50.0		mg/Kg		10/10/22 07:37	10/10/22 14:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/22 07:37	10/10/22 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				10/10/22 07:37	10/10/22 14:15	1
o-Terphenyl	84		70 - 130				10/10/22 07:37	10/10/22 14:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2		5.02		mg/Kg			10/11/22 17:16	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH06

Lab Sample ID: 890-3173-6

Date Collected: 10/06/22 10:55

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 19:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 19:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 19:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/22 12:11	10/15/22 19:45	1
o-Xylene	0.0210		0.00200		mg/Kg		10/14/22 12:11	10/15/22 19:45	1
Xylenes, Total	0.0210		0.00399		mg/Kg		10/14/22 12:11	10/15/22 19:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	10/14/22 12:11	10/15/22 19:45	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/14/22 12:11	10/15/22 19:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0210		0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	279		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/10/22 07:37	10/10/22 14:37	1
Diesel Range Organics (Over C10-C28)	279		50.0		mg/Kg		10/10/22 07:37	10/10/22 14:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/22 07:37	10/10/22 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	10/10/22 07:37	10/10/22 14:37	1
o-Terphenyl	83		70 - 130	10/10/22 07:37	10/10/22 14:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.8		4.99		mg/Kg			10/11/22 17:22	1

Client Sample ID: BH07

Lab Sample ID: 890-3173-7

Date Collected: 10/06/22 11:00

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/14/22 12:11	10/15/22 20:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/14/22 12:11	10/15/22 20:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/14/22 12:11	10/15/22 20:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/14/22 12:11	10/15/22 20:05	1
o-Xylene	0.00202		0.00198		mg/Kg		10/14/22 12:11	10/15/22 20:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/14/22 12:11	10/15/22 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10/14/22 12:11	10/15/22 20:05	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH07

Lab Sample ID: 890-3173-7

Date Collected: 10/06/22 11:00

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130	10/14/22 12:11	10/15/22 20:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	630		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/22 07:37	10/10/22 14:58	1
Diesel Range Organics (Over C10-C28)	630		49.8		mg/Kg		10/10/22 07:37	10/10/22 14:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/22 07:37	10/10/22 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				10/10/22 07:37	10/10/22 14:58	1
o-Terphenyl	87		70 - 130				10/10/22 07:37	10/10/22 14:58	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.8		5.00		mg/Kg			10/11/22 20:43	1

Client Sample ID: BH08

Lab Sample ID: 890-3173-8

Date Collected: 10/06/22 11:05

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/15/22 20:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/15/22 20:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/15/22 20:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/22 12:11	10/15/22 20:26	1
o-Xylene	0.0108		0.00199		mg/Kg		10/14/22 12:11	10/15/22 20:26	1
Xylenes, Total	0.0108		0.00398		mg/Kg		10/14/22 12:11	10/15/22 20:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	10/14/22 12:11	10/15/22 20:26	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/14/22 12:11	10/15/22 20:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0108		0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	112		50.0		mg/Kg			10/11/22 09:32	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH08

Lab Sample ID: 890-3173-8

Date Collected: 10/06/22 11:05

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/22 07:37	10/10/22 15:20	1
Diesel Range Organics (Over C10-C28)	112		49.8		mg/Kg		10/10/22 07:37	10/10/22 15:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/22 07:37	10/10/22 15:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				10/10/22 07:37	10/10/22 15:20	1
o-Terphenyl	80		70 - 130				10/10/22 07:37	10/10/22 15:20	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	179		25.0		mg/Kg			10/11/22 21:06	5

Client Sample ID: BH09

Lab Sample ID: 890-3173-9

Date Collected: 10/06/22 11:10

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:11	10/15/22 20:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:11	10/15/22 20:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:11	10/15/22 20:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/14/22 12:11	10/15/22 20:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:11	10/15/22 20:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/14/22 12:11	10/15/22 20:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				10/14/22 12:11	10/15/22 20:46	1
1,4-Difluorobenzene (Surr)	83		70 - 130				10/14/22 12:11	10/15/22 20:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	466		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/10/22 07:37	10/10/22 15:41	1
Diesel Range Organics (Over C10-C28)	466		49.9		mg/Kg		10/10/22 07:37	10/10/22 15:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/22 07:37	10/10/22 15:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				10/10/22 07:37	10/10/22 15:41	1
o-Terphenyl	86		70 - 130				10/10/22 07:37	10/10/22 15:41	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH09

Lab Sample ID: 890-3173-9

Date Collected: 10/06/22 11:10

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.4		4.99		mg/Kg			10/11/22 21:14	1

Client Sample ID: BH10

Lab Sample ID: 890-3173-10

Date Collected: 10/06/22 11:15

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 21:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 21:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 21:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/22 12:11	10/15/22 21:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 21:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/22 12:11	10/15/22 21:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				10/14/22 12:11	10/15/22 21:07	1
1,4-Difluorobenzene (Surr)	113		70 - 130				10/14/22 12:11	10/15/22 21:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1240		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/10/22 07:37	10/10/22 16:03	1
Diesel Range Organics (Over C10-C28)	1240		49.9		mg/Kg		10/10/22 07:37	10/10/22 16:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/22 07:37	10/10/22 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				10/10/22 07:37	10/10/22 16:03	1
o-Terphenyl	87		70 - 130				10/10/22 07:37	10/10/22 16:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.7		5.05		mg/Kg			10/11/22 21:22	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH11

Lab Sample ID: 890-3173-11

Date Collected: 10/06/22 11:20

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:11	10/15/22 21:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:11	10/15/22 21:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:11	10/15/22 21:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/14/22 12:11	10/15/22 21:27	1
o-Xylene	0.0134		0.00201		mg/Kg		10/14/22 12:11	10/15/22 21:27	1
Xylenes, Total	0.0134		0.00402		mg/Kg		10/14/22 12:11	10/15/22 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	10/14/22 12:11	10/15/22 21:27	1
1,4-Difluorobenzene (Surr)	108		70 - 130	10/14/22 12:11	10/15/22 21:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0134		0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	563		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/10/22 07:37	10/10/22 17:24	1
Diesel Range Organics (Over C10-C28)	563		49.9		mg/Kg		10/10/22 07:37	10/10/22 17:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/22 07:37	10/10/22 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	10/10/22 07:37	10/10/22 17:24	1
o-Terphenyl	84		70 - 130	10/10/22 07:37	10/10/22 17:24	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.1		5.02		mg/Kg			10/11/22 21:29	1

Client Sample ID: BH12

Lab Sample ID: 890-3173-12

Date Collected: 10/06/22 11:25

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/14/22 12:11	10/15/22 21:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/14/22 12:11	10/15/22 21:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/14/22 12:11	10/15/22 21:48	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/14/22 12:11	10/15/22 21:48	1
o-Xylene	0.0399		0.00202		mg/Kg		10/14/22 12:11	10/15/22 21:48	1
Xylenes, Total	0.0399		0.00403		mg/Kg		10/14/22 12:11	10/15/22 21:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	10/14/22 12:11	10/15/22 21:48	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH12

Lab Sample ID: 890-3173-12

Date Collected: 10/06/22 11:25

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	103		70 - 130	10/14/22 12:11	10/15/22 21:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0399		0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	82.1		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/22 07:37	10/10/22 17:45	1
Diesel Range Organics (Over C10-C28)	82.1		49.8		mg/Kg		10/10/22 07:37	10/10/22 17:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/22 07:37	10/10/22 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				10/10/22 07:37	10/10/22 17:45	1
o-Terphenyl	82		70 - 130				10/10/22 07:37	10/10/22 17:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.3		4.96		mg/Kg			10/11/22 21:52	1

Client Sample ID: BH13

Lab Sample ID: 890-3173-13

Date Collected: 10/06/22 11:30

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 22:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 22:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 22:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/22 12:11	10/15/22 22:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 22:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/14/22 12:11	10/15/22 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/14/22 12:11	10/15/22 22:09	1
1,4-Difluorobenzene (Surr)	105		70 - 130	10/14/22 12:11	10/15/22 22:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	820		50.0		mg/Kg			10/11/22 09:32	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH13

Lab Sample ID: 890-3173-13

Date Collected: 10/06/22 11:30

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 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		mg/Kg		10/10/22 07:37	10/10/22 18:07	1
Diesel Range Organics (Over C10-C28)	820		50.0		mg/Kg		10/10/22 07:37	10/10/22 18:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/22 07:37	10/10/22 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				10/10/22 07:37	10/10/22 18:07	1
o-Terphenyl	83		70 - 130				10/10/22 07:37	10/10/22 18:07	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.8		5.01		mg/Kg			10/11/22 22:00	1

Client Sample ID: BH14

Lab Sample ID: 890-3173-14

Date Collected: 10/06/22 11:35

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/15/22 22:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/15/22 22:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/15/22 22:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/22 12:11	10/15/22 22:29	1
o-Xylene	0.0300		0.00199		mg/Kg		10/14/22 12:11	10/15/22 22:29	1
Xylenes, Total	0.0300		0.00398		mg/Kg		10/14/22 12:11	10/15/22 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				10/14/22 12:11	10/15/22 22:29	1
1,4-Difluorobenzene (Surr)	80		70 - 130				10/14/22 12:11	10/15/22 22:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0300		0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	575		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/22 07:37	10/10/22 18:28	1
Diesel Range Organics (Over C10-C28)	575		49.8		mg/Kg		10/10/22 07:37	10/10/22 18:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/22 07:37	10/10/22 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				10/10/22 07:37	10/10/22 18:28	1
o-Terphenyl	84		70 - 130				10/10/22 07:37	10/10/22 18:28	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH14

Lab Sample ID: 890-3173-14

Date Collected: 10/06/22 11:35

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.2		4.96		mg/Kg			10/11/22 22:08	1

Client Sample ID: BH15

Lab Sample ID: 890-3173-15

Date Collected: 10/06/22 11:40

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/14/22 12:11	10/15/22 23:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/14/22 12:11	10/15/22 23:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/14/22 12:11	10/15/22 23:52	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/14/22 12:11	10/15/22 23:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/14/22 12:11	10/15/22 23:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/14/22 12:11	10/15/22 23:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				10/14/22 12:11	10/15/22 23:52	1
1,4-Difluorobenzene (Surr)	90		70 - 130				10/14/22 12:11	10/15/22 23:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	120		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/10/22 07:37	10/10/22 18:50	1
Diesel Range Organics (Over C10-C28)	120		49.9		mg/Kg		10/10/22 07:37	10/10/22 18:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/22 07:37	10/10/22 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				10/10/22 07:37	10/10/22 18:50	1
o-Terphenyl	83		70 - 130				10/10/22 07:37	10/10/22 18:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.8		5.00		mg/Kg			10/11/22 22:16	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH16

Lab Sample ID: 890-3173-16

Date Collected: 10/06/22 11:45

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/16/22 02:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/16/22 02:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/16/22 02:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/22 12:11	10/16/22 02:35	1
o-Xylene	0.0166		0.00200		mg/Kg		10/14/22 12:11	10/16/22 02:35	1
Xylenes, Total	0.0166		0.00399		mg/Kg		10/14/22 12:11	10/16/22 02:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/14/22 12:11	10/16/22 02:35	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/14/22 12:11	10/16/22 02:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0166		0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/10/22 07:37	10/10/22 19:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/22 07:37	10/10/22 19:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/22 07:37	10/10/22 19:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	10/10/22 07:37	10/10/22 19:11	1
o-Terphenyl	83		70 - 130	10/10/22 07:37	10/10/22 19:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.8		5.02		mg/Kg			10/11/22 22:23	1

Client Sample ID: BH17

Lab Sample ID: 890-3173-17

Date Collected: 10/06/22 11:50

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/16/22 02:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/16/22 02:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/16/22 02:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/22 12:11	10/16/22 02:55	1
o-Xylene	0.306		0.00199		mg/Kg		10/14/22 12:11	10/16/22 02:55	1
Xylenes, Total	0.306		0.00398		mg/Kg		10/14/22 12:11	10/16/22 02:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	10/14/22 12:11	10/16/22 02:55	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH17

Lab Sample ID: 890-3173-17

Date Collected: 10/06/22 11:50

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	114		70 - 130	10/14/22 12:11	10/16/22 02:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.306		0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	295		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/10/22 07:37	10/10/22 19:32	1
Diesel Range Organics (Over C10-C28)	295		49.9		mg/Kg		10/10/22 07:37	10/10/22 19:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/22 07:37	10/10/22 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				10/10/22 07:37	10/10/22 19:32	1
o-Terphenyl	87		70 - 130				10/10/22 07:37	10/10/22 19:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.0		5.04		mg/Kg			10/11/22 22:31	1

Client Sample ID: BH18

Lab Sample ID: 890-3173-18

Date Collected: 10/06/22 11:55

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/16/22 00:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/16/22 00:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/16/22 00:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/22 12:11	10/16/22 00:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/16/22 00:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/14/22 12:11	10/16/22 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	10/14/22 12:11	10/16/22 00:12	1
1,4-Difluorobenzene (Surr)	93		70 - 130	10/14/22 12:11	10/16/22 00:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1070		50.0		mg/Kg			10/11/22 09:32	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH18

Lab Sample ID: 890-3173-18

Date Collected: 10/06/22 11:55

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 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		mg/Kg		10/10/22 07:37	10/10/22 19:53	1
Diesel Range Organics (Over C10-C28)	1070		49.9		mg/Kg		10/10/22 07:37	10/10/22 19:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/22 07:37	10/10/22 19:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				10/10/22 07:37	10/10/22 19:53	1
o-Terphenyl	91		70 - 130				10/10/22 07:37	10/10/22 19:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.0		4.96		mg/Kg			10/11/22 22:55	1

Client Sample ID: BH19

Lab Sample ID: 890-3173-19

Date Collected: 10/06/22 12:00

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:11	10/16/22 00:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:11	10/16/22 00:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:11	10/16/22 00:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/14/22 12:11	10/16/22 00:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:11	10/16/22 00:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/14/22 12:11	10/16/22 00:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				10/14/22 12:11	10/16/22 00:33	1
1,4-Difluorobenzene (Surr)	112		70 - 130				10/14/22 12:11	10/16/22 00:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1380		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/22 07:37	10/10/22 20:15	1
Diesel Range Organics (Over C10-C28)	1380		49.8		mg/Kg		10/10/22 07:37	10/10/22 20:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/22 07:37	10/10/22 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				10/10/22 07:37	10/10/22 20:15	1
o-Terphenyl	88		70 - 130				10/10/22 07:37	10/10/22 20:15	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH19

Lab Sample ID: 890-3173-19

Date Collected: 10/06/22 12:00

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.4		4.95		mg/Kg			10/11/22 23:02	1

Client Sample ID: BH20

Lab Sample ID: 890-3173-20

Date Collected: 10/06/22 12:05

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/16/22 00:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/16/22 00:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/16/22 00:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/22 12:11	10/16/22 00:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/16/22 00:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/22 12:11	10/16/22 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/14/22 12:11	10/16/22 00:53	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/14/22 12:11	10/16/22 00:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	124		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/10/22 07:37	10/10/22 20:36	1
Diesel Range Organics (Over C10-C28)	124		50.0		mg/Kg		10/10/22 07:37	10/10/22 20:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/22 07:37	10/10/22 20:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				10/10/22 07:37	10/10/22 20:36	1
o-Terphenyl	87		70 - 130				10/10/22 07:37	10/10/22 20:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.5		5.00		mg/Kg			10/11/22 23:25	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH21

Lab Sample ID: 890-3173-21

Date Collected: 10/06/22 12:10

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:11	10/16/22 01:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:11	10/16/22 01:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:11	10/16/22 01:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/14/22 12:11	10/16/22 01:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:11	10/16/22 01:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/14/22 12:11	10/16/22 01:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	10/14/22 12:11	10/16/22 01:13	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/14/22 12:11	10/16/22 01:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	97.2		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/11/22 07:59	10/11/22 11:40	1
Diesel Range Organics (Over C10-C28)	97.2		49.9		mg/Kg		10/11/22 07:59	10/11/22 11:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/22 07:59	10/11/22 11:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	10/11/22 07:59	10/11/22 11:40	1
o-Terphenyl	95		70 - 130	10/11/22 07:59	10/11/22 11:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.1		4.97		mg/Kg			10/11/22 23:33	1

Client Sample ID: BH22

Lab Sample ID: 890-3173-22

Date Collected: 10/06/22 12:15

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/16/22 01:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/16/22 01:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/16/22 01:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/22 12:11	10/16/22 01:34	1
o-Xylene	0.00207		0.00199		mg/Kg		10/14/22 12:11	10/16/22 01:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/22 12:11	10/16/22 01:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	10/14/22 12:11	10/16/22 01:34	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH22

Lab Sample ID: 890-3173-22

Date Collected: 10/06/22 12:15

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	93		70 - 130	10/14/22 12:11	10/16/22 01:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1580		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/11/22 07:59	10/11/22 12:45	1
Diesel Range Organics (Over C10-C28)	1430		49.9		mg/Kg		10/11/22 07:59	10/11/22 12:45	1
Oil Range Organics (Over C28-C36)	154		49.9		mg/Kg		10/11/22 07:59	10/11/22 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	10/11/22 07:59	10/11/22 12:45	1
o-Terphenyl	95		70 - 130	10/11/22 07:59	10/11/22 12:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.4		5.05		mg/Kg			10/12/22 09:12	1

Client Sample ID: BH23

Lab Sample ID: 890-3173-23

Date Collected: 10/06/22 12:20

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/16/22 01:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/16/22 01:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/16/22 01:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/22 12:11	10/16/22 01:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:11	10/16/22 01:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/22 12:11	10/16/22 01:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	10/14/22 12:11	10/16/22 01:54	1
1,4-Difluorobenzene (Surr)	73		70 - 130	10/14/22 12:11	10/16/22 01:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH23

Lab Sample ID: 890-3173-23

Date Collected: 10/06/22 12:20

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1890		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/22 07:59	10/11/22 13:07	1
Diesel Range Organics (Over C10-C28)	1710		49.8		mg/Kg		10/11/22 07:59	10/11/22 13:07	1
Oil Range Organics (Over C28-C36)	180		49.8		mg/Kg		10/11/22 07:59	10/11/22 13:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				10/11/22 07:59	10/11/22 13:07	1
o-Terphenyl	104		70 - 130				10/11/22 07:59	10/11/22 13:07	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.7		4.99		mg/Kg			10/12/22 09:19	1

Client Sample ID: BH24

Lab Sample ID: 890-3173-24

Date Collected: 10/06/22 12:25

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/16/22 02:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/16/22 02:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/16/22 02:15	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/22 12:11	10/16/22 02:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/16/22 02:15	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/22 12:11	10/16/22 02:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/14/22 12:11	10/16/22 02:15	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/14/22 12:11	10/16/22 02:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	164		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/22 07:59	10/11/22 13:28	1
Diesel Range Organics (Over C10-C28)	164		49.8		mg/Kg		10/11/22 07:59	10/11/22 13:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/22 07:59	10/11/22 13:28	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH24

Date Collected: 10/06/22 12:25

Date Received: 10/06/22 14:07

Sample Depth: 1

Lab Sample ID: 890-3173-24

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	10/11/22 07:59	10/11/22 13:28	1
o-Terphenyl	97		70 - 130	10/11/22 07:59	10/11/22 13:28	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.0		4.95		mg/Kg			10/12/22 09:27	1

Client Sample ID: BH25

Date Collected: 10/06/22 12:30

Date Received: 10/06/22 14:07

Sample Depth: 1

Lab Sample ID: 890-3173-25

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1 F2	0.00201		mg/Kg		10/14/22 12:19	10/16/22 05:58	1
Toluene	<0.00201	U F1 F2	0.00201		mg/Kg		10/14/22 12:19	10/16/22 05:58	1
Ethylbenzene	<0.00201	U F1 F2	0.00201		mg/Kg		10/14/22 12:19	10/16/22 05:58	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		10/14/22 12:19	10/16/22 05:58	1
o-Xylene	<0.00201	U F1 F2	0.00201		mg/Kg		10/14/22 12:19	10/16/22 05:58	1
Xylenes, Total	<0.00402	U F1 F2	0.00402		mg/Kg		10/14/22 12:19	10/16/22 05:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	10/14/22 12:19	10/16/22 05:58	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/14/22 12:19	10/16/22 05:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	555		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/11/22 07:59	10/11/22 13:49	1
Diesel Range Organics (Over C10-C28)	501		50.0		mg/Kg		10/11/22 07:59	10/11/22 13:49	1
Oil Range Organics (Over C28-C36)	54.1		50.0		mg/Kg		10/11/22 07:59	10/11/22 13:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	10/11/22 07:59	10/11/22 13:49	1
o-Terphenyl	106		70 - 130	10/11/22 07:59	10/11/22 13:49	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.8		4.95		mg/Kg			10/12/22 09:35	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH26

Lab Sample ID: 890-3173-26

Date Collected: 10/06/22 12:35

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 06:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 06:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 06:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/22 12:19	10/16/22 06:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 06:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/22 12:19	10/16/22 06:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	10/14/22 12:19	10/16/22 06:18	1
1,4-Difluorobenzene (Surr)	89		70 - 130	10/14/22 12:19	10/16/22 06:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	553		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/11/22 07:59	10/11/22 14:11	1
Diesel Range Organics (Over C10-C28)	490		50.0		mg/Kg		10/11/22 07:59	10/11/22 14:11	1
Oil Range Organics (Over C28-C36)	62.7		50.0		mg/Kg		10/11/22 07:59	10/11/22 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	10/11/22 07:59	10/11/22 14:11	1
o-Terphenyl	95		70 - 130	10/11/22 07:59	10/11/22 14:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.1		5.00		mg/Kg			10/12/22 09:42	1

Client Sample ID: BH27

Lab Sample ID: 890-3173-27

Date Collected: 10/06/22 12:40

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/14/22 12:19	10/16/22 06:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/14/22 12:19	10/16/22 06:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/14/22 12:19	10/16/22 06:39	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/14/22 12:19	10/16/22 06:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/14/22 12:19	10/16/22 06:39	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/14/22 12:19	10/16/22 06:39	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH27

Lab Sample ID: 890-3173-27

Date Collected: 10/06/22 12:40

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	10/14/22 12:19	10/16/22 06:39	1
1,4-Difluorobenzene (Surr)	76		70 - 130	10/14/22 12:19	10/16/22 06:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1790		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/11/22 07:59	10/11/22 14:32	1
Diesel Range Organics (Over C10-C28)	1620		49.9		mg/Kg		10/11/22 07:59	10/11/22 14:32	1
Oil Range Organics (Over C28-C36)	173		49.9		mg/Kg		10/11/22 07:59	10/11/22 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				10/11/22 07:59	10/11/22 14:32	1
o-Terphenyl	96		70 - 130				10/11/22 07:59	10/11/22 14:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.2		5.02		mg/Kg			10/12/22 10:44	1

Client Sample ID: BH28

Lab Sample ID: 890-3173-28

Date Collected: 10/06/22 12:45

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 06:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 06:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 06:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/22 12:19	10/16/22 06:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 06:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/14/22 12:19	10/16/22 06:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				10/14/22 12:19	10/16/22 06:59	1
1,4-Difluorobenzene (Surr)	86		70 - 130				10/14/22 12:19	10/16/22 06:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH28

Lab Sample ID: 890-3173-28

Date Collected: 10/06/22 12:45

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/11/22 07:59	10/11/22 14:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/22 07:59	10/11/22 14:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/22 07:59	10/11/22 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	10/11/22 07:59	10/11/22 14:54	1
o-Terphenyl	99		70 - 130	10/11/22 07:59	10/11/22 14:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.2		4.95		mg/Kg			10/12/22 11:07	1

Client Sample ID: BH29

Lab Sample ID: 890-3173-29

Date Collected: 10/06/22 12:50

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 07:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 07:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 07:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/22 12:19	10/16/22 07:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 07:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/22 12:19	10/16/22 07:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	10/14/22 12:19	10/16/22 07:20	1
1,4-Difluorobenzene (Surr)	85		70 - 130	10/14/22 12:19	10/16/22 07:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/11/22 07:59	10/11/22 15:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/22 07:59	10/11/22 15:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/22 07:59	10/11/22 15:15	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH29

Date Collected: 10/06/22 12:50

Date Received: 10/06/22 14:07

Sample Depth: 1

Lab Sample ID: 890-3173-29

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	10/11/22 07:59	10/11/22 15:15	1
o-Terphenyl	106		70 - 130	10/11/22 07:59	10/11/22 15:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.9		5.00		mg/Kg			10/12/22 11:15	1

Client Sample ID: BH30

Date Collected: 10/06/22 12:55

Date Received: 10/06/22 14:07

Sample Depth: 1

Lab Sample ID: 890-3173-30

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 07:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 07:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 07:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/22 12:19	10/16/22 07:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 07:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/22 12:19	10/16/22 07:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	10/14/22 12:19	10/16/22 07:40	1
1,4-Difluorobenzene (Surr)	87		70 - 130	10/14/22 12:19	10/16/22 07:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/22 07:59	10/11/22 15:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/22 07:59	10/11/22 15:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/22 07:59	10/11/22 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	10/11/22 07:59	10/11/22 15:37	1
o-Terphenyl	96		70 - 130	10/11/22 07:59	10/11/22 15:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.0		5.05		mg/Kg			10/12/22 11:23	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH31

Lab Sample ID: 890-3173-31

Date Collected: 10/06/22 13:00

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 08:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 08:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 08:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/22 12:19	10/16/22 08:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 08:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/22 12:19	10/16/22 08:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	10/14/22 12:19	10/16/22 08:01	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/14/22 12:19	10/16/22 08:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	679		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/22 07:59	10/11/22 16:45	1
Diesel Range Organics (Over C10-C28)	611		49.8		mg/Kg		10/11/22 07:59	10/11/22 16:45	1
Oil Range Organics (Over C28-C36)	68.4		49.8		mg/Kg		10/11/22 07:59	10/11/22 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	10/11/22 07:59	10/11/22 16:45	1
o-Terphenyl	103		70 - 130	10/11/22 07:59	10/11/22 16:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.5		4.97		mg/Kg			10/12/22 11:30	1

Client Sample ID: BH32

Lab Sample ID: 890-3173-32

Date Collected: 10/06/22 13:05

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 08:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 08:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 08:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/22 12:19	10/16/22 08:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 08:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/14/22 12:19	10/16/22 08:21	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH32

Lab Sample ID: 890-3173-32

Date Collected: 10/06/22 13:05

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	10/14/22 12:19	10/16/22 08:21	1
1,4-Difluorobenzene (Surr)	80		70 - 130	10/14/22 12:19	10/16/22 08:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1230		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/11/22 07:59	10/11/22 17:06	1
Diesel Range Organics (Over C10-C28)	1110		49.9		mg/Kg		10/11/22 07:59	10/11/22 17:06	1
Oil Range Organics (Over C28-C36)	124		49.9		mg/Kg		10/11/22 07:59	10/11/22 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	10/11/22 07:59	10/11/22 17:06	1
o-Terphenyl	96		70 - 130	10/11/22 07:59	10/11/22 17:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.9		5.00		mg/Kg			10/12/22 11:53	1

Client Sample ID: BH33

Lab Sample ID: 890-3173-33

Date Collected: 10/06/22 13:10

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 08:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 08:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 08:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/22 12:19	10/16/22 08:42	1
o-Xylene	0.00664		0.00199		mg/Kg		10/14/22 12:19	10/16/22 08:42	1
Xylenes, Total	0.00664		0.00398		mg/Kg		10/14/22 12:19	10/16/22 08:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	10/14/22 12:19	10/16/22 08:42	1
1,4-Difluorobenzene (Surr)	93		70 - 130	10/14/22 12:19	10/16/22 08:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00664		0.00400		mg/Kg			10/17/22 10:03	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH33

Lab Sample ID: 890-3173-33

Date Collected: 10/06/22 13:10

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	201		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/11/22 07:59	10/11/22 17:27	1
Diesel Range Organics (Over C10-C28)	201		50.0		mg/Kg		10/11/22 07:59	10/11/22 17:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/22 07:59	10/11/22 17:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				10/11/22 07:59	10/11/22 17:27	1
o-Terphenyl	92		70 - 130				10/11/22 07:59	10/11/22 17:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.7		4.99		mg/Kg			10/12/22 12:01	1

Client Sample ID: BH34

Lab Sample ID: 890-3173-34

Date Collected: 10/06/22 13:15

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:19	10/16/22 09:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:19	10/16/22 09:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:19	10/16/22 09:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/14/22 12:19	10/16/22 09:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:19	10/16/22 09:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/14/22 12:19	10/16/22 09:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				10/14/22 12:19	10/16/22 09:02	1
1,4-Difluorobenzene (Surr)	91		70 - 130				10/14/22 12:19	10/16/22 09:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/11/22 07:59	10/11/22 17:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/22 07:59	10/11/22 17:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/22 07:59	10/11/22 17:49	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH34

Date Collected: 10/06/22 13:15

Date Received: 10/06/22 14:07

Sample Depth: 1

Lab Sample ID: 890-3173-34

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	10/11/22 07:59	10/11/22 17:49	1
o-Terphenyl	112		70 - 130	10/11/22 07:59	10/11/22 17:49	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.0		4.96		mg/Kg			10/12/22 12:32	1

Client Sample ID: BH35

Date Collected: 10/06/22 13:20

Date Received: 10/06/22 14:07

Sample Depth: 1

Lab Sample ID: 890-3173-35

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 10:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 10:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 10:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/22 12:19	10/16/22 10:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 10:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/14/22 12:19	10/16/22 10:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	10/14/22 12:19	10/16/22 10:24	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/14/22 12:19	10/16/22 10:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	76.7		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/11/22 07:59	10/11/22 18:11	1
Diesel Range Organics (Over C10-C28)	76.7		49.9		mg/Kg		10/11/22 07:59	10/11/22 18:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/11/22 07:59	10/11/22 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	10/11/22 07:59	10/11/22 18:11	1
o-Terphenyl	91		70 - 130	10/11/22 07:59	10/11/22 18:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.1		5.05		mg/Kg			10/12/22 12:40	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH36

Lab Sample ID: 890-3173-36

Date Collected: 10/06/22 13:25

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00282		0.00200		mg/Kg		10/14/22 12:19	10/16/22 10:45	1
Toluene	0.00259		0.00200		mg/Kg		10/14/22 12:19	10/16/22 10:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 10:45	1
m-Xylene & p-Xylene	0.00472		0.00399		mg/Kg		10/14/22 12:19	10/16/22 10:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 10:45	1
Xylenes, Total	0.00472		0.00399		mg/Kg		10/14/22 12:19	10/16/22 10:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	55	S1-	70 - 130				10/14/22 12:19	10/16/22 10:45	1
1,4-Difluorobenzene (Surr)	115		70 - 130				10/14/22 12:19	10/16/22 10:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0101		0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/11/22 07:59	10/11/22 18:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/22 07:59	10/11/22 18:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/22 07:59	10/11/22 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				10/11/22 07:59	10/11/22 18:32	1
o-Terphenyl	109		70 - 130				10/11/22 07:59	10/11/22 18:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.0		5.00		mg/Kg			10/12/22 12:47	1

Client Sample ID: BH37

Lab Sample ID: 890-3173-37

Date Collected: 10/06/22 13:30

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 11:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 11:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 11:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/22 12:19	10/16/22 11:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 11:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/22 12:19	10/16/22 11:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				10/14/22 12:19	10/16/22 11:05	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH37

Lab Sample ID: 890-3173-37

Date Collected: 10/06/22 13:30

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	82		70 - 130	10/14/22 12:19	10/16/22 11:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	245		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/11/22 07:59	10/11/22 18:54	1
Diesel Range Organics (Over C10-C28)	245		50.0		mg/Kg		10/11/22 07:59	10/11/22 18:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/22 07:59	10/11/22 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				10/11/22 07:59	10/11/22 18:54	1
o-Terphenyl	100		70 - 130				10/11/22 07:59	10/11/22 18:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.4	F1	4.98		mg/Kg			10/12/22 12:55	1

Client Sample ID: BH38

Lab Sample ID: 890-3173-38

Date Collected: 10/06/22 13:35

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/14/22 12:19	10/16/22 11:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/14/22 12:19	10/16/22 11:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/14/22 12:19	10/16/22 11:26	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/14/22 12:19	10/16/22 11:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/14/22 12:19	10/16/22 11:26	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/14/22 12:19	10/16/22 11:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	10/14/22 12:19	10/16/22 11:26	1
1,4-Difluorobenzene (Surr)	90		70 - 130	10/14/22 12:19	10/16/22 11:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/22 09:32	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH38

Lab Sample ID: 890-3173-38

Date Collected: 10/06/22 13:35

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/22 07:59	10/11/22 19:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/22 07:59	10/11/22 19:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/22 07:59	10/11/22 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				10/11/22 07:59	10/11/22 19:16	1
o-Terphenyl	97		70 - 130				10/11/22 07:59	10/11/22 19:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.7		4.96		mg/Kg			10/12/22 13:18	1

Client Sample ID: BH39

Lab Sample ID: 890-3173-39

Date Collected: 10/06/22 13:40

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 11:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 11:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 11:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/22 12:19	10/16/22 11:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 11:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/22 12:19	10/16/22 11:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130				10/14/22 12:19	10/16/22 11:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/14/22 12:19	10/16/22 11:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/11/22 07:59	10/11/22 19:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/11/22 07:59	10/11/22 19:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/11/22 07:59	10/11/22 19:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				10/11/22 07:59	10/11/22 19:38	1
o-Terphenyl	92		70 - 130				10/11/22 07:59	10/11/22 19:38	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH39

Date Collected: 10/06/22 13:40

Date Received: 10/06/22 14:07

Sample Depth: 1

Lab Sample ID: 890-3173-39

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.3		5.00		mg/Kg			10/12/22 13:26	1

Client Sample ID: BH40

Date Collected: 10/06/22 13:17

Date Received: 10/06/22 14:07

Sample Depth: 1

Lab Sample ID: 890-3173-40

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/14/22 12:19	10/16/22 12:07	1
Toluene	0.0790		0.00201		mg/Kg		10/14/22 12:19	10/16/22 12:07	1
Ethylbenzene	0.0623		0.00201		mg/Kg		10/14/22 12:19	10/16/22 12:07	1
m-Xylene & p-Xylene	0.146		0.00402		mg/Kg		10/14/22 12:19	10/16/22 12:07	1
o-Xylene	0.0811		0.00201		mg/Kg		10/14/22 12:19	10/16/22 12:07	1
Xylenes, Total	0.227		0.00402		mg/Kg		10/14/22 12:19	10/16/22 12:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130				10/14/22 12:19	10/16/22 12:07	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/14/22 12:19	10/16/22 12:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.368		0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5170		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	177		50.0		mg/Kg		10/11/22 07:59	10/11/22 19:59	1
Diesel Range Organics (Over C10-C28)	4530		50.0		mg/Kg		10/11/22 07:59	10/11/22 19:59	1
Oil Range Organics (Over C28-C36)	459		50.0		mg/Kg		10/11/22 07:59	10/11/22 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				10/11/22 07:59	10/11/22 19:59	1
o-Terphenyl	100		70 - 130				10/11/22 07:59	10/11/22 19:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.0		4.97		mg/Kg			10/12/22 13:49	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH41

Lab Sample ID: 890-3173-41

Date Collected: 10/06/22 13:22

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 12:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 12:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 12:27	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/14/22 12:19	10/16/22 12:27	1
o-Xylene	0.0166		0.00200		mg/Kg		10/14/22 12:19	10/16/22 12:27	1
Xylenes, Total	0.0166		0.00401		mg/Kg		10/14/22 12:19	10/16/22 12:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	10/14/22 12:19	10/16/22 12:27	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/14/22 12:19	10/16/22 12:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0166		0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	278		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/07/22 15:16	10/10/22 19:36	1
Diesel Range Organics (Over C10-C28)	158		49.9		mg/Kg		10/07/22 15:16	10/10/22 19:36	1
Oil Range Organics (Over C28-C36)	120		49.9		mg/Kg		10/07/22 15:16	10/10/22 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	10/07/22 15:16	10/10/22 19:36	1
o-Terphenyl	89		70 - 130	10/07/22 15:16	10/10/22 19:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.8		4.99		mg/Kg			10/12/22 13:57	1

Client Sample ID: BH42

Lab Sample ID: 890-3173-42

Date Collected: 10/06/22 13:27

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 12:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 12:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 12:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/14/22 12:19	10/16/22 12:48	1
o-Xylene	0.00759		0.00200		mg/Kg		10/14/22 12:19	10/16/22 12:48	1
Xylenes, Total	0.00759		0.00399		mg/Kg		10/14/22 12:19	10/16/22 12:48	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH42

Lab Sample ID: 890-3173-42

Date Collected: 10/06/22 13:27

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	10/14/22 12:19	10/16/22 12:48	1
1,4-Difluorobenzene (Surr)	84		70 - 130	10/14/22 12:19	10/16/22 12:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00759		0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	726		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/07/22 15:16	10/10/22 18:36	1
Diesel Range Organics (Over C10-C28)	414		50.0		mg/Kg		10/07/22 15:16	10/10/22 18:36	1
Oil Range Organics (Over C28-C36)	312		50.0		mg/Kg		10/07/22 15:16	10/10/22 18:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				10/07/22 15:16	10/10/22 18:36	1
o-Terphenyl	87		70 - 130				10/07/22 15:16	10/10/22 18:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.4		4.98		mg/Kg			10/12/22 14:04	1

Client Sample ID: SW1

Lab Sample ID: 890-3173-43

Date Collected: 10/06/22 13:45

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 0 - 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 13:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 13:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/22 12:19	10/16/22 13:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/22 12:19	10/16/22 13:08	1
o-Xylene	0.0767		0.00199		mg/Kg		10/14/22 12:19	10/16/22 13:08	1
Xylenes, Total	0.0767		0.00398		mg/Kg		10/14/22 12:19	10/16/22 13:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				10/14/22 12:19	10/16/22 13:08	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/14/22 12:19	10/16/22 13:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0767		0.00400		mg/Kg			10/17/22 10:03	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: SW1

Lab Sample ID: 890-3173-43

Date Collected: 10/06/22 13:45

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 0 - 4

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/07/22 15:16	10/10/22 19:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/07/22 15:16	10/10/22 19:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/07/22 15:16	10/10/22 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	10/07/22 15:16	10/10/22 19:56	1
o-Terphenyl	87		70 - 130	10/07/22 15:16	10/10/22 19:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.9		5.00		mg/Kg			10/12/22 14:12	1

Client Sample ID: SW2

Lab Sample ID: 890-3173-44

Date Collected: 10/06/22 13:50

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 0 - 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0270		0.00199		mg/Kg		10/14/22 12:19	10/16/22 13:29	1
Toluene	0.329		0.00199		mg/Kg		10/14/22 12:19	10/16/22 13:29	1
Ethylbenzene	0.136		0.00199		mg/Kg		10/14/22 12:19	10/16/22 13:29	1
m-Xylene & p-Xylene	0.216		0.00398		mg/Kg		10/14/22 12:19	10/16/22 13:29	1
o-Xylene	0.0936		0.00199		mg/Kg		10/14/22 12:19	10/16/22 13:29	1
Xylenes, Total	0.310		0.00398		mg/Kg		10/14/22 12:19	10/16/22 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	10/14/22 12:19	10/16/22 13:29	1
1,4-Difluorobenzene (Surr)	117		70 - 130	10/14/22 12:19	10/16/22 13:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.802		0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	13700		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	486		249		mg/Kg		10/07/22 15:16	10/10/22 17:34	5
Diesel Range Organics (Over C10-C28)	7570		249		mg/Kg		10/07/22 15:16	10/10/22 17:34	5
Oil Range Organics (Over C28-C36)	5670		249		mg/Kg		10/07/22 15:16	10/10/22 17:34	5

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: SW2

Date Collected: 10/06/22 13:50

Date Received: 10/06/22 14:07

Sample Depth: 0 - 4

Lab Sample ID: 890-3173-44

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	10/07/22 15:16	10/10/22 17:34	5
o-Terphenyl	82		70 - 130	10/07/22 15:16	10/10/22 17:34	5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.7		5.00		mg/Kg			10/12/22 14:20	1

Client Sample ID: SW3

Date Collected: 10/06/22 13:55

Date Received: 10/06/22 14:07

Sample Depth: 1 - 4

Lab Sample ID: 890-3173-45

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/13/22 13:49	10/16/22 20:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/13/22 13:49	10/16/22 20:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/13/22 13:49	10/16/22 20:33	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/13/22 13:49	10/16/22 20:33	1
o-Xylene	0.00212		0.00202		mg/Kg		10/13/22 13:49	10/16/22 20:33	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/13/22 13:49	10/16/22 20:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	10/13/22 13:49	10/16/22 20:33	1
1,4-Difluorobenzene (Surr)	106		70 - 130	10/13/22 13:49	10/16/22 20:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2370		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/07/22 15:16	10/10/22 17:54	1
Diesel Range Organics (Over C10-C28)	1340		49.9		mg/Kg		10/07/22 15:16	10/10/22 17:54	1
Oil Range Organics (Over C28-C36)	1030		49.9		mg/Kg		10/07/22 15:16	10/10/22 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	10/07/22 15:16	10/10/22 17:54	1
o-Terphenyl	86		70 - 130	10/07/22 15:16	10/10/22 17:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.0		4.96		mg/Kg			10/12/22 14:28	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: SW4

Lab Sample ID: 890-3173-46

Date Collected: 10/06/22 13:02

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 0 - 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/14/22 10:26	10/15/22 15:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/14/22 10:26	10/15/22 15:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/14/22 10:26	10/15/22 15:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/14/22 10:26	10/15/22 15:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/14/22 10:26	10/15/22 15:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/14/22 10:26	10/15/22 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	10/14/22 10:26	10/15/22 15:58	1
1,4-Difluorobenzene (Surr)	91		70 - 130	10/14/22 10:26	10/15/22 15:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	720		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/07/22 15:16	10/10/22 18:15	1
Diesel Range Organics (Over C10-C28)	411		49.9		mg/Kg		10/07/22 15:16	10/10/22 18:15	1
Oil Range Organics (Over C28-C36)	309		49.9		mg/Kg		10/07/22 15:16	10/10/22 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	10/07/22 15:16	10/10/22 18:15	1
o-Terphenyl	85		70 - 130	10/07/22 15:16	10/10/22 18:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.4		5.01		mg/Kg			10/12/22 14:35	1

Client Sample ID: SW5

Lab Sample ID: 890-3173-47

Date Collected: 10/06/22 13:07

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 0 - 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/14/22 10:26	10/15/22 16:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/14/22 10:26	10/15/22 16:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/14/22 10:26	10/15/22 16:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/14/22 10:26	10/15/22 16:19	1
o-Xylene	0.00370		0.00201		mg/Kg		10/14/22 10:26	10/15/22 16:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/14/22 10:26	10/15/22 16:19	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: SW5

Lab Sample ID: 890-3173-47

Date Collected: 10/06/22 13:07

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 0 - 1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	10/14/22 10:26	10/15/22 16:19	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/14/22 10:26	10/15/22 16:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	252		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/07/22 15:16	10/10/22 18:56	1
Diesel Range Organics (Over C10-C28)	80.7		49.9		mg/Kg		10/07/22 15:16	10/10/22 18:56	1
Oil Range Organics (Over C28-C36)	171		49.9		mg/Kg		10/07/22 15:16	10/10/22 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	10/07/22 15:16	10/10/22 18:56	1
o-Terphenyl	83		70 - 130	10/07/22 15:16	10/10/22 18:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.0		4.98		mg/Kg			10/12/22 22:02	1

Client Sample ID: SW6

Lab Sample ID: 890-3173-48

Date Collected: 10/06/22 13:12

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 0 - 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/11/22 13:34	10/15/22 20:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/11/22 13:34	10/15/22 20:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/11/22 13:34	10/15/22 20:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/11/22 13:34	10/15/22 20:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/11/22 13:34	10/15/22 20:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/11/22 13:34	10/15/22 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	10/11/22 13:34	10/15/22 20:30	1
1,4-Difluorobenzene (Surr)	112		70 - 130	10/11/22 13:34	10/15/22 20:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: SW6

Lab Sample ID: 890-3173-48

Date Collected: 10/06/22 13:12

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 0 - 1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	333		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/07/22 15:16	10/10/22 19:16	1
Diesel Range Organics (Over C10-C28)	190		50.0		mg/Kg		10/07/22 15:16	10/10/22 19:16	1
Oil Range Organics (Over C28-C36)	143		50.0		mg/Kg		10/07/22 15:16	10/10/22 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				10/07/22 15:16	10/10/22 19:16	1
o-Terphenyl	85		70 - 130				10/07/22 15:16	10/10/22 19:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.7		5.00		mg/Kg			10/12/22 22:09	1

Client Sample ID: SW7

Lab Sample ID: 890-3173-49

Date Collected: 10/06/22 13:32

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 0 - 1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1 F2	0.00199		mg/Kg		10/14/22 12:51	10/17/22 08:07	1
Toluene	<0.00199	U F1 F2	0.00199		mg/Kg		10/14/22 12:51	10/17/22 08:07	1
Ethylbenzene	<0.00199	U F1 F2	0.00199		mg/Kg		10/14/22 12:51	10/17/22 08:07	1
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.00398		mg/Kg		10/14/22 12:51	10/17/22 08:07	1
o-Xylene	<0.00199	U F1 F2	0.00199		mg/Kg		10/14/22 12:51	10/17/22 08:07	1
Xylenes, Total	<0.00398	U F1 F2	0.00398		mg/Kg		10/14/22 12:51	10/17/22 08:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				10/14/22 12:51	10/17/22 08:07	1
1,4-Difluorobenzene (Surr)	104		70 - 130				10/14/22 12:51	10/17/22 08:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/17/22 10:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	741		50.0		mg/Kg			10/11/22 09:32	1

Method: SW846 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		mg/Kg		10/10/22 16:51	10/11/22 11:36	1
Diesel Range Organics (Over C10-C28)	433		49.9		mg/Kg		10/10/22 16:51	10/11/22 11:36	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: SW7

Lab Sample ID: 890-3173-49

Date Collected: 10/06/22 13:32

Matrix: Solid

Date Received: 10/06/22 14:07

Sample Depth: 0 - 1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	308		49.9		mg/Kg		10/10/22 16:51	10/11/22 11:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	10/10/22 16:51	10/11/22 11:36	1
o-Terphenyl	86		70 - 130	10/10/22 16:51	10/11/22 11:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		4.97		mg/Kg			10/12/22 22:17	1

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Surrogate Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Method: 8021B - Volatile Organic Compounds (GC)**Matrix: Solid****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-3173-1	BH01	80	109
890-3173-2	BH02	93	101
890-3173-3	BH03	85	112
890-3173-4	BH04	91	104
890-3173-5	BH05	93	87
890-3173-5 MS	BH05	89	108
890-3173-5 MSD	BH05	82	109
890-3173-6	BH06	93	92
890-3173-7	BH07	105	96
890-3173-8	BH08	97	104
890-3173-9	BH09	86	83
890-3173-10	BH10	101	113
890-3173-11	BH11	99	108
890-3173-12	BH12	113	103
890-3173-13	BH13	101	105
890-3173-14	BH14	81	80
890-3173-15	BH15	94	90
890-3173-16	BH16	102	100
890-3173-17	BH17	81	114
890-3173-18	BH18	92	93
890-3173-19	BH19	95	112
890-3173-20	BH20	102	100
890-3173-21	BH21	96	92
890-3173-22	BH22	91	93
890-3173-23	BH23	73	73
890-3173-24	BH24	108	96
890-3173-25	BH25	75	92
890-3173-25 MS	BH25	97	89
890-3173-25 MSD	BH25	100	111
890-3173-26	BH26	76	89
890-3173-27	BH27	74	76
890-3173-28	BH28	88	86
890-3173-29	BH29	88	85
890-3173-30	BH30	89	87
890-3173-31	BH31	67 S1-	102
890-3173-32	BH32	70	80
890-3173-33	BH33	96	93
890-3173-34	BH34	97	91
890-3173-35	BH35	80	96
890-3173-36	BH36	55 S1-	115
890-3173-37	BH37	88	82
890-3173-38	BH38	73	90
890-3173-39	BH39	66 S1-	99
890-3173-40	BH40	74	99
890-3173-41	BH41	92	102
890-3173-42	BH42	70	84
890-3173-43	SW1	78	96
890-3173-44	SW2	93	117
890-3173-45	SW3	94	106

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Surrogate Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-3173-46	SW4	92	91
890-3173-47	SW5	94	102
890-3173-48	SW6	122	112
890-3173-49	SW7	96	104
890-3173-49 MS	SW7	88	97
890-3173-49 MSD	SW7	102	104
LCS 880-36682/1-A	Lab Control Sample	93	110
LCS 880-36884/1-A	Lab Control Sample	95	108
LCS 880-36943/1-A	Lab Control Sample	122	91
LCS 880-36963/1-A	Lab Control Sample	86	110
LCS 880-36964/1-A	Lab Control Sample	88	110
LCS 880-36971/1-A	Lab Control Sample	88	99
LCSD 880-36682/2-A	Lab Control Sample Dup	92	110
LCSD 880-36884/2-A	Lab Control Sample Dup	91	105
LCSD 880-36943/2-A	Lab Control Sample Dup	98	104
LCSD 880-36963/2-A	Lab Control Sample Dup	92	108
LCSD 880-36964/2-A	Lab Control Sample Dup	91	110
LCSD 880-36971/2-A	Lab Control Sample Dup	95	96
MB 880-36682/5-A	Method Blank	92	115
MB 880-36687/5-A	Method Blank	86	96
MB 880-36884/5-A	Method Blank	89	111
MB 880-36886/5-A	Method Blank	90	110
MB 880-36943/5-A	Method Blank	87	94
MB 880-36963/5-A	Method Blank	84	96
MB 880-36964/5-A	Method Blank	82	90
MB 880-36971/5-A	Method Blank	91	107
MB 880-36974/5-A	Method Blank	94	108

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-3173-1	BH01	95	90
890-3173-1 MS	BH01	93	84
890-3173-1 MSD	BH01	92	83
890-3173-2	BH02	87	82
890-3173-3	BH03	87	82
890-3173-4	BH04	84	81
890-3173-5	BH05	90	84
890-3173-6	BH06	90	83
890-3173-7	BH07	91	87
890-3173-8	BH08	86	80
890-3173-9	BH09	90	86
890-3173-10	BH10	90	87
890-3173-11	BH11	89	84

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Surrogate Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-3173-12	BH12	87	82
890-3173-13	BH13	87	83
890-3173-14	BH14	87	84
890-3173-15	BH15	88	83
890-3173-16	BH16	87	83
890-3173-17	BH17	93	87
890-3173-18	BH18	97	91
890-3173-19	BH19	96	88
890-3173-20	BH20	94	87
890-3173-21	BH21	85	95
890-3173-21 MS	BH21	92	95
890-3173-21 MSD	BH21	114	111
890-3173-22	BH22	84	95
890-3173-23	BH23	97	104
890-3173-24	BH24	85	97
890-3173-25	BH25	99	106
890-3173-26	BH26	84	95
890-3173-27	BH27	85	96
890-3173-28	BH28	87	99
890-3173-29	BH29	98	106
890-3173-30	BH30	84	96
890-3173-31	BH31	91	103
890-3173-32	BH32	85	96
890-3173-33	BH33	82	92
890-3173-34	BH34	100	112
890-3173-35	BH35	81	91
890-3173-36	BH36	98	109
890-3173-37	BH37	95	100
890-3173-38	BH38	88	97
890-3173-39	BH39	83	92
890-3173-40	BH40	92	100
890-3173-41	BH41	84	89
890-3173-42	BH42	83	87
890-3173-43	SW1	82	87
890-3173-44	SW2	85	82
890-3173-45	SW3	81	86
890-3173-46	SW4	82	85
890-3173-47	SW5	78	83
890-3173-48	SW6	80	85
890-3173-49	SW7	83	86
890-3173-49 MS	SW7	87	84
890-3173-49 MSD	SW7	86	81
LCS 880-36395/2-A	Lab Control Sample	107	117
LCS 880-36498/2-A	Lab Control Sample	101	100
LCS 880-36608/2-A	Lab Control Sample	117	127
LCS 880-36626/2-A	Lab Control Sample	100	118
LCSD 880-36395/3-A	Lab Control Sample Dup	106	113
LCSD 880-36498/3-A	Lab Control Sample Dup	89	90
LCSD 880-36608/3-A	Lab Control Sample Dup	98	109
LCSD 880-36626/3-A	Lab Control Sample Dup	123	140 S1+

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Surrogate Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
MB 880-36395/1-A	Method Blank	112	121
MB 880-36498/1-A	Method Blank	103	98
MB 880-36608/1-A	Method Blank	111	123
MB 880-36626/1-A	Method Blank	96	116
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-36682/5-A

Matrix: Solid

Analysis Batch: 36933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36682

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/22 13:34	10/15/22 12:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/22 13:34	10/15/22 12:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/22 13:34	10/15/22 12:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/22 13:34	10/15/22 12:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/22 13:34	10/15/22 12:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/22 13:34	10/15/22 12:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	10/11/22 13:34	10/15/22 12:03	1
1,4-Difluorobenzene (Surr)	115		70 - 130	10/11/22 13:34	10/15/22 12:03	1

Lab Sample ID: LCS 880-36682/1-A

Matrix: Solid

Analysis Batch: 36933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36682

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09689		mg/Kg		97	70 - 130
Toluene	0.100	0.09359		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.08062		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1616		mg/Kg		81	70 - 130
o-Xylene	0.100	0.08028		mg/Kg		80	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-36682/2-A

Matrix: Solid

Analysis Batch: 36933

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36682

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1005		mg/Kg		100	70 - 130	4	35
Toluene	0.100	0.09574		mg/Kg		96	70 - 130	2	35
Ethylbenzene	0.100	0.08266		mg/Kg		83	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1659		mg/Kg		83	70 - 130	3	35
o-Xylene	0.100	0.08312		mg/Kg		83	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: MB 880-36687/5-A

Matrix: Solid

Analysis Batch: 36926

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36687

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/22 14:39	10/14/22 21:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/22 14:39	10/14/22 21:49	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Lab Sample ID: MB 880-36687/5-A

Matrix: Solid

Analysis Batch: 36926

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36687

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/22 14:39	10/14/22 21:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/22 14:39	10/14/22 21:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/22 14:39	10/14/22 21:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/22 14:39	10/14/22 21:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	10/11/22 14:39	10/14/22 21:49	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/11/22 14:39	10/14/22 21:49	1

Lab Sample ID: MB 880-36884/5-A

Matrix: Solid

Analysis Batch: 37019

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/13/22 13:49	10/16/22 11:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/13/22 13:49	10/16/22 11:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/13/22 13:49	10/16/22 11:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/13/22 13:49	10/16/22 11:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/13/22 13:49	10/16/22 11:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/13/22 13:49	10/16/22 11:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	10/13/22 13:49	10/16/22 11:13	1
1,4-Difluorobenzene (Surr)	111		70 - 130	10/13/22 13:49	10/16/22 11:13	1

Lab Sample ID: LCS 880-36884/1-A

Matrix: Solid

Analysis Batch: 37019

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36884

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1031		mg/Kg		103	70 - 130
Toluene	0.100	0.09984		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.08607		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1715		mg/Kg		86	70 - 130
o-Xylene	0.100	0.08524		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-36884/2-A

Matrix: Solid

Analysis Batch: 37019

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36884

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08812		mg/Kg		88	70 - 130	16	35
Toluene	0.100	0.08699		mg/Kg		87	70 - 130	14	35
Ethylbenzene	0.100	0.07410		mg/Kg		74	70 - 130	15	35

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Lab Sample ID: LCSD 880-36884/2-A

Matrix: Solid

Analysis Batch: 37019

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36884

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	0.200	0.1486		mg/Kg		74	70 - 130	14	35
o-Xylene	0.100	0.07442		mg/Kg		74	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: MB 880-36886/5-A

Matrix: Solid

Analysis Batch: 36933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/13/22 13:52	10/15/22 00:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/13/22 13:52	10/15/22 00:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/13/22 13:52	10/15/22 00:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/13/22 13:52	10/15/22 00:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/13/22 13:52	10/15/22 00:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/13/22 13:52	10/15/22 00:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	10/13/22 13:52	10/15/22 00:27	1
1,4-Difluorobenzene (Surr)	110		70 - 130	10/13/22 13:52	10/15/22 00:27	1

Lab Sample ID: MB 880-36943/5-A

Matrix: Solid

Analysis Batch: 36926

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36943

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 10:26	10/15/22 08:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 10:26	10/15/22 08:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 10:26	10/15/22 08:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/22 10:26	10/15/22 08:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 10:26	10/15/22 08:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/22 10:26	10/15/22 08:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	10/14/22 10:26	10/15/22 08:24	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/14/22 10:26	10/15/22 08:24	1

Lab Sample ID: LCS 880-36943/1-A

Matrix: Solid

Analysis Batch: 36926

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36943

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09578		mg/Kg		96	70 - 130
Toluene	0.100	0.1041		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1050		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2304		mg/Kg		115	70 - 130

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Lab Sample ID: LCS 880-36943/1-A

Matrix: Solid

Analysis Batch: 36926

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36943

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1153		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-36943/2-A

Matrix: Solid

Analysis Batch: 36926

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36943

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09781		mg/Kg		98	70 - 130	2	35
Toluene	0.100	0.09059		mg/Kg		91	70 - 130	14	35
Ethylbenzene	0.100	0.08699		mg/Kg		87	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.1801		mg/Kg		90	70 - 130	25	35
o-Xylene	0.100	0.08975		mg/Kg		90	70 - 130	25	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-36963/5-A

Matrix: Solid

Analysis Batch: 37018

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36963

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 19:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 19:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 19:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/22 12:11	10/15/22 19:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:11	10/15/22 19:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/22 12:11	10/15/22 19:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	10/14/22 12:11	10/15/22 19:02	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/14/22 12:11	10/15/22 19:02	1

Lab Sample ID: LCS 880-36963/1-A

Matrix: Solid

Analysis Batch: 37018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36963

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1128		mg/Kg		113	70 - 130
Toluene	0.100	0.09429		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.08576		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1672		mg/Kg		84	70 - 130
o-Xylene	0.100	0.08279		mg/Kg		83	70 - 130

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Lab Sample ID: LCS 880-36963/1-A

Matrix: Solid

Analysis Batch: 37018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36963

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-36963/2-A

Matrix: Solid

Analysis Batch: 37018

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36963

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1060		mg/Kg		106	70 - 130	6	35
Toluene	0.100	0.09282		mg/Kg		93	70 - 130	2	35
Ethylbenzene	0.100	0.08612		mg/Kg		86	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1751		mg/Kg		88	70 - 130	5	35
o-Xylene	0.100	0.08658		mg/Kg		87	70 - 130	4	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 890-3173-5 MS

Matrix: Solid

Analysis Batch: 37018

Client Sample ID: BH05

Prep Type: Total/NA

Prep Batch: 36963

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09801		mg/Kg		98	70 - 130
Toluene	<0.00200	U	0.100	0.07817		mg/Kg		78	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.06125	F1	mg/Kg		61	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.1241	F1	mg/Kg		62	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.06185	F1	mg/Kg		61	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 890-3173-5 MSD

Matrix: Solid

Analysis Batch: 37018

Client Sample ID: BH05

Prep Type: Total/NA

Prep Batch: 36963

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.09981		mg/Kg		101	70 - 130	2	35
Toluene	<0.00200	U	0.0990	0.07707		mg/Kg		78	70 - 130	1	35
Ethylbenzene	<0.00200	U F1	0.0990	0.05863	F1	mg/Kg		59	70 - 130	4	35
m-Xylene & p-Xylene	<0.00401	U F1	0.198	0.1146	F1	mg/Kg		58	70 - 130	8	35
o-Xylene	<0.00200	U F1	0.0990	0.05810	F1	mg/Kg		58	70 - 130	6	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Lab Sample ID: MB 880-36964/5-A

Matrix: Solid

Analysis Batch: 37018

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36964

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 05:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 05:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 05:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/22 12:19	10/16/22 05:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:19	10/16/22 05:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/22 12:19	10/16/22 05:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	10/14/22 12:19	10/16/22 05:36	1
1,4-Difluorobenzene (Surr)	90		70 - 130	10/14/22 12:19	10/16/22 05:36	1

Lab Sample ID: LCS 880-36964/1-A

Matrix: Solid

Analysis Batch: 37018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36964

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1162		mg/Kg		116	70 - 130
Toluene	0.100	0.1002		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09251		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1887		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09384		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-36964/2-A

Matrix: Solid

Analysis Batch: 37018

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36964

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1173		mg/Kg		117	70 - 130	1	35
Toluene	0.100	0.1012		mg/Kg		101	70 - 130	1	35
Ethylbenzene	0.100	0.09833		mg/Kg		98	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2030		mg/Kg		102	70 - 130	7	35
o-Xylene	0.100	0.1009		mg/Kg		101	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 890-3173-25 MS

Matrix: Solid

Analysis Batch: 37018

Client Sample ID: BH25

Prep Type: Total/NA

Prep Batch: 36964

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1 F2	0.100	0.02713	F1	mg/Kg		27	70 - 130
Toluene	<0.00201	U F1 F2	0.100	0.02470	F1	mg/Kg		23	70 - 130

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Lab Sample ID: 890-3173-25 MS

Matrix: Solid

Analysis Batch: 37018

Client Sample ID: BH25

Prep Type: Total/NA

Prep Batch: 36964

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1 F2	0.100	0.01385	F1	mg/Kg		12	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.201	0.03360	F1	mg/Kg		15	70 - 130
o-Xylene	<0.00201	U F1 F2	0.100	0.03123	F1	mg/Kg		29	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-3173-25 MSD

Matrix: Solid

Analysis Batch: 37018

Client Sample ID: BH25

Prep Type: Total/NA

Prep Batch: 36964

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1 F2	0.0990	0.08388	F2	mg/Kg		84	70 - 130	102	35
Toluene	<0.00201	U F1 F2	0.0990	0.06013	F1 F2	mg/Kg		59	70 - 130	84	35
Ethylbenzene	<0.00201	U F1 F2	0.0990	0.03831	F1 F2	mg/Kg		37	70 - 130	94	35
m-Xylene & p-Xylene	<0.00402	U F1	0.198	0.04480	F1	mg/Kg		21	70 - 130	29	35
o-Xylene	<0.00201	U F1 F2	0.0990	0.05980	F1 F2	mg/Kg		59	70 - 130	63	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: MB 880-36971/5-A

Matrix: Solid

Analysis Batch: 37033

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:51	10/16/22 23:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:51	10/16/22 23:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:51	10/16/22 23:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/22 12:51	10/16/22 23:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 12:51	10/16/22 23:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/22 12:51	10/16/22 23:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	10/14/22 12:51	10/16/22 23:42	1
1,4-Difluorobenzene (Surr)	107		70 - 130	10/14/22 12:51	10/16/22 23:42	1

Lab Sample ID: LCS 880-36971/1-A

Matrix: Solid

Analysis Batch: 37033

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09137		mg/Kg		91	70 - 130
Toluene	0.100	0.09558		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.08554		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1691		mg/Kg		85	70 - 130

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Lab Sample ID: LCS 880-36971/1-A

Matrix: Solid

Analysis Batch: 37033

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.08256		mg/Kg		83	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-36971/2-A

Matrix: Solid

Analysis Batch: 37033

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36971

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09281		mg/Kg		93	70 - 130	2	35
Toluene	0.100	0.09758		mg/Kg		98	70 - 130	2	35
Ethylbenzene	0.100	0.08943		mg/Kg		89	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1800		mg/Kg		90	70 - 130	6	35
o-Xylene	0.100	0.08845		mg/Kg		88	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-3173-49 MS

Matrix: Solid

Analysis Batch: 37033

Client Sample ID: SW7

Prep Type: Total/NA

Prep Batch: 36971

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1 F2	0.100	0.03692	F1	mg/Kg		37	70 - 130
Toluene	<0.00199	U F1 F2	0.100	0.03998	F1	mg/Kg		40	70 - 130
Ethylbenzene	<0.00199	U F1 F2	0.100	0.03064	F1	mg/Kg		31	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.06069	F1	mg/Kg		30	70 - 130
o-Xylene	<0.00199	U F1 F2	0.100	0.03397	F1	mg/Kg		34	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-3173-49 MSD

Matrix: Solid

Analysis Batch: 37033

Client Sample ID: SW7

Prep Type: Total/NA

Prep Batch: 36971

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00199	U F1 F2	0.0990	0.07387	F2	mg/Kg		75	70 - 130	67	35
Toluene	<0.00199	U F1 F2	0.0990	0.07797	F2	mg/Kg		79	70 - 130	64	35
Ethylbenzene	<0.00199	U F1 F2	0.0990	0.05875	F1 F2	mg/Kg		59	70 - 130	63	35
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.198	0.1189	F1 F2	mg/Kg		60	70 - 130	65	35
o-Xylene	<0.00199	U F1 F2	0.0990	0.06063	F1 F2	mg/Kg		61	70 - 130	56	35

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Lab Sample ID: 890-3173-49 MSD
Matrix: Solid
Analysis Batch: 37033

Client Sample ID: SW7
Prep Type: Total/NA
Prep Batch: 36971

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-36974/5-A
Matrix: Solid
Analysis Batch: 37019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36974

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 13:40	10/15/22 23:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 13:40	10/15/22 23:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 13:40	10/15/22 23:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/22 13:40	10/15/22 23:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 13:40	10/15/22 23:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/22 13:40	10/15/22 23:39	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				10/14/22 13:40	10/15/22 23:39	1
1,4-Difluorobenzene (Surr)	108		70 - 130				10/14/22 13:40	10/15/22 23:39	1

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

Lab Sample ID: MB 880-36395/1-A
Matrix: Solid
Analysis Batch: 36488

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36395

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/07/22 15:16	10/10/22 10:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/07/22 15:16	10/10/22 10:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/07/22 15:16	10/10/22 10:59	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/07/22 15:16	10/10/22 10:59	1
o-Terphenyl	121		70 - 130				10/07/22 15:16	10/10/22 10:59	1

Lab Sample ID: LCS 880-36395/2-A
Matrix: Solid
Analysis Batch: 36488

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36395

Analyte		Spike	LCS	LCS					
		Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10		1000	996.9		mg/Kg		100		70 - 130
Diesel Range Organics (Over C10-C28)		1000	946.9		mg/Kg		95		70 - 130

	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	107		70 - 130						
o-Terphenyl	117		70 - 130						

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Lab Sample ID: LCSD 880-36395/3-A

Matrix: Solid

Analysis Batch: 36488

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36395

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1023		mg/Kg		102	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	992.6		mg/Kg		99	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	106		70 - 130						
o-Terphenyl	113		70 - 130						

Lab Sample ID: MB 880-36498/1-A

Matrix: Solid

Analysis Batch: 36492

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36498

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/22 07:37	10/10/22 11:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/22 07:37	10/10/22 11:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/22 07:37	10/10/22 11:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/10/22 07:37	10/10/22 11:01	1
o-Terphenyl	98		70 - 130				10/10/22 07:37	10/10/22 11:01	1

Lab Sample ID: LCS 880-36498/2-A

Matrix: Solid

Analysis Batch: 36492

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36498

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	883.6		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1093		mg/Kg		109	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	101		70 - 130						
o-Terphenyl	100		70 - 130						

Lab Sample ID: LCSD 880-36498/3-A

Matrix: Solid

Analysis Batch: 36492

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36498

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	804.3		mg/Kg		80	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	930.4		mg/Kg		93	70 - 130	16	20

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Lab Sample ID: LCSD 880-36498/3-A

Matrix: Solid

Analysis Batch: 36492

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36498

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 890-3173-1 MS

Matrix: Solid

Analysis Batch: 36492

Client Sample ID: BH01

Prep Type: Total/NA

Prep Batch: 36498

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	990	878.9		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	990	879.3		mg/Kg		89	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	84		70 - 130						

Lab Sample ID: 890-3173-1 MSD

Matrix: Solid

Analysis Batch: 36492

Client Sample ID: BH01

Prep Type: Total/NA

Prep Batch: 36498

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	895.3		mg/Kg		90	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	878.5		mg/Kg		88	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	92		70 - 130								
o-Terphenyl	83		70 - 130								

Lab Sample ID: MB 880-36608/1-A

Matrix: Solid

Analysis Batch: 36630

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36608

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/22 16:51	10/11/22 10:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/22 16:51	10/11/22 10:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/22 16:51	10/11/22 10:33	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				10/10/22 16:51	10/11/22 10:33	1
o-Terphenyl	123		70 - 130				10/10/22 16:51	10/11/22 10:33	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Lab Sample ID: LCS 880-36608/2-A

Matrix: Solid

Analysis Batch: 36630

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36608

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1137		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1037		mg/Kg		104	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	117		70 - 130				
o-Terphenyl	127		70 - 130				

Lab Sample ID: LCSD 880-36608/3-A

Matrix: Solid

Analysis Batch: 36630

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36608

Top Data: 00000											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1054		mg/Kg		105	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	946.9		mg/Kg		95	70 - 130	9	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	109		70 - 130								

Lab Sample ID: 890-3173-49 MS

Matrix: Solid

Analysis Batch: 36630

Client Sample ID: SW7

Prep Type: Total/NA

Prep Batch: 36608

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1010		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	433		999	1290		mg/Kg		86	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	87		70 - 130								
o-Terphenyl	84		70 - 130								

Lab Sample ID: 890-3173-49 MSD

Matrix: Solid

Analysis Batch: 36630

Client Sample ID: SW7

Prep Type: Total/NA

Prep Batch: 36608

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	985.5		mg/Kg		99	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	433		1000	1243		mg/Kg		81	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	86		70 - 130								

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Lab Sample ID: 890-3173-49 MSD

Matrix: Solid

Analysis Batch: 36630

Client Sample ID: SW7

Prep Type: Total/NA

Prep Batch: 36608

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	81		70 - 130

Lab Sample ID: MB 880-36626/1-A

Matrix: Solid

Analysis Batch: 36637

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36626

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/11/22 07:59	10/11/22 10:35	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/11/22 07:59	10/11/22 10:35	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/11/22 07:59	10/11/22 10:35	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	96		70 - 130				10/11/22 07:59	10/11/22 10:35	1	
<i>o</i> -Terphenyl	116		70 - 130				10/11/22 07:59	10/11/22 10:35	1	

Lab Sample ID: LCS 880-36626/2-A

Matrix: Solid

Analysis Batch: 36637

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36626

			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	939.6		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	985.7		mg/Kg		99	70 - 130		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
<i>o</i> -Terphenyl	118		70 - 130								

Lab Sample ID: LCSD 880-36626/3-A

Matrix: Solid

Analysis Batch: 36637

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36626

			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1154		mg/Kg		115	70 - 130	20	20
Diesel Range Organics (Over C10-C28)			1000	1164		mg/Kg		116	70 - 130	17	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	123		70 - 130								
<i>o</i> -Terphenyl	140	S1+	70 - 130								

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Lab Sample ID: 890-3173-21 MS

Matrix: Solid

Analysis Batch: 36637

Client Sample ID: BH21

Prep Type: Total/NA

Prep Batch: 36626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1039		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	97.2		999	897.0		mg/Kg		80	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	92		70 - 130						
o-Terphenyl	95		70 - 130						

Lab Sample ID: 890-3173-21 MSD

Matrix: Solid

Analysis Batch: 36637

Client Sample ID: BH21

Prep Type: Total/NA

Prep Batch: 36626

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1012		mg/Kg		100	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	97.2		996	1091		mg/Kg		100	70 - 130	20	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	114		70 - 130								
o-Terphenyl	111		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-36393/1-A

Matrix: Solid

Analysis Batch: 36632

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/11/22 14:27	1

Lab Sample ID: LCS 880-36393/2-A

Matrix: Solid

Analysis Batch: 36632

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.3		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-36393/3-A

Matrix: Solid

Analysis Batch: 36632

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	246.5		mg/Kg		99	90 - 110	4	20

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-36396/1-A

Matrix: Solid

Analysis Batch: 36640

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/11/22 20:20	1

Lab Sample ID: LCS 880-36396/2-A

Matrix: Solid

Analysis Batch: 36640

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.8		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-36396/3-A

Matrix: Solid

Analysis Batch: 36640

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	267.9		mg/Kg		107	90 - 110	4	20

Lab Sample ID: 890-3173-7 MS

Matrix: Solid

Analysis Batch: 36640

Client Sample ID: BH07

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	38.8		250	300.5		mg/Kg		105	90 - 110

Lab Sample ID: 890-3173-7 MSD

Matrix: Solid

Analysis Batch: 36640

Client Sample ID: BH07

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	38.8		250	300.9		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-3173-17 MS

Matrix: Solid

Analysis Batch: 36640

Client Sample ID: BH17

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	36.0		252	306.9		mg/Kg		107	90 - 110

Lab Sample ID: 890-3173-17 MSD

Matrix: Solid

Analysis Batch: 36640

Client Sample ID: BH17

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	36.0		252	307.3		mg/Kg		108	90 - 110	0	20

Lab Sample ID: MB 880-36397/1-A

Matrix: Solid

Analysis Batch: 36689

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/12/22 10:21	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-36397/2-A

Matrix: Solid

Analysis Batch: 36689

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	264.4		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-36397/3-A

Matrix: Solid

Analysis Batch: 36689

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	264.0		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 890-3173-27 MS

Matrix: Solid

Analysis Batch: 36689

Client Sample ID: BH27

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	73.2		251	306.8		mg/Kg		93	90 - 110

Lab Sample ID: 890-3173-27 MSD

Matrix: Solid

Analysis Batch: 36689

Client Sample ID: BH27

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	73.2		251	305.1		mg/Kg		92	90 - 110	1	20

Lab Sample ID: 890-3173-37 MS

Matrix: Solid

Analysis Batch: 36689

Client Sample ID: BH37

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	59.4	F1	249	345.4	F1	mg/Kg		115	90 - 110

Lab Sample ID: 890-3173-37 MSD

Matrix: Solid

Analysis Batch: 36689

Client Sample ID: BH37

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	59.4	F1	249	333.7		mg/Kg		110	90 - 110	3	20

Lab Sample ID: MB 880-36399/1-A

Matrix: Solid

Analysis Batch: 36690

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/12/22 15:14	1

Lab Sample ID: LCS 880-36399/2-A

Matrix: Solid

Analysis Batch: 36690

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	272.6		mg/Kg		109	90 - 110

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-36399/3-A					Client Sample ID: Lab Control Sample Dup				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 36690									
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	267.9		mg/Kg		107	90 - 110	2	20

QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

GC VOA

Prep Batch: 36682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-1	BH01	Total/NA	Solid	5035	
890-3173-2	BH02	Total/NA	Solid	5035	
890-3173-3	BH03	Total/NA	Solid	5035	
890-3173-4	BH04	Total/NA	Solid	5035	
890-3173-48	SW6	Total/NA	Solid	5035	
MB 880-36682/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36682/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36682/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 36687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-36687/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 36884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-45	SW3	Total/NA	Solid	5035	
MB 880-36884/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36884/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36884/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 36886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-36886/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 36926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-46	SW4	Total/NA	Solid	8021B	36943
890-3173-47	SW5	Total/NA	Solid	8021B	36943
MB 880-36687/5-A	Method Blank	Total/NA	Solid	8021B	36687
MB 880-36943/5-A	Method Blank	Total/NA	Solid	8021B	36943
LCS 880-36943/1-A	Lab Control Sample	Total/NA	Solid	8021B	36943
LCSD 880-36943/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36943

Analysis Batch: 36933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-1	BH01	Total/NA	Solid	8021B	36682
890-3173-2	BH02	Total/NA	Solid	8021B	36682
890-3173-3	BH03	Total/NA	Solid	8021B	36682
890-3173-4	BH04	Total/NA	Solid	8021B	36682
890-3173-48	SW6	Total/NA	Solid	8021B	36682
MB 880-36682/5-A	Method Blank	Total/NA	Solid	8021B	36682
MB 880-36886/5-A	Method Blank	Total/NA	Solid	8021B	36886
LCS 880-36682/1-A	Lab Control Sample	Total/NA	Solid	8021B	36682
LCSD 880-36682/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36682

Prep Batch: 36943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-46	SW4	Total/NA	Solid	5035	
890-3173-47	SW5	Total/NA	Solid	5035	
MB 880-36943/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36943/1-A	Lab Control Sample	Total/NA	Solid	5035	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

GC VOA (Continued)

Prep Batch: 36943 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-36943/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 36963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-5	BH05	Total/NA	Solid	5035	
890-3173-6	BH06	Total/NA	Solid	5035	
890-3173-7	BH07	Total/NA	Solid	5035	
890-3173-8	BH08	Total/NA	Solid	5035	
890-3173-9	BH09	Total/NA	Solid	5035	
890-3173-10	BH10	Total/NA	Solid	5035	
890-3173-11	BH11	Total/NA	Solid	5035	
890-3173-12	BH12	Total/NA	Solid	5035	
890-3173-13	BH13	Total/NA	Solid	5035	
890-3173-14	BH14	Total/NA	Solid	5035	
890-3173-15	BH15	Total/NA	Solid	5035	
890-3173-16	BH16	Total/NA	Solid	5035	
890-3173-17	BH17	Total/NA	Solid	5035	
890-3173-18	BH18	Total/NA	Solid	5035	
890-3173-19	BH19	Total/NA	Solid	5035	
890-3173-20	BH20	Total/NA	Solid	5035	
890-3173-21	BH21	Total/NA	Solid	5035	
890-3173-22	BH22	Total/NA	Solid	5035	
890-3173-23	BH23	Total/NA	Solid	5035	
890-3173-24	BH24	Total/NA	Solid	5035	
MB 880-36963/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36963/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36963/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3173-5 MS	BH05	Total/NA	Solid	5035	
890-3173-5 MSD	BH05	Total/NA	Solid	5035	

Prep Batch: 36964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-25	BH25	Total/NA	Solid	5035	
890-3173-26	BH26	Total/NA	Solid	5035	
890-3173-27	BH27	Total/NA	Solid	5035	
890-3173-28	BH28	Total/NA	Solid	5035	
890-3173-29	BH29	Total/NA	Solid	5035	
890-3173-30	BH30	Total/NA	Solid	5035	
890-3173-31	BH31	Total/NA	Solid	5035	
890-3173-32	BH32	Total/NA	Solid	5035	
890-3173-33	BH33	Total/NA	Solid	5035	
890-3173-34	BH34	Total/NA	Solid	5035	
890-3173-35	BH35	Total/NA	Solid	5035	
890-3173-36	BH36	Total/NA	Solid	5035	
890-3173-37	BH37	Total/NA	Solid	5035	
890-3173-38	BH38	Total/NA	Solid	5035	
890-3173-39	BH39	Total/NA	Solid	5035	
890-3173-40	BH40	Total/NA	Solid	5035	
890-3173-41	BH41	Total/NA	Solid	5035	
890-3173-42	BH42	Total/NA	Solid	5035	
890-3173-43	SW1	Total/NA	Solid	5035	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

GC VOA (Continued)

Prep Batch: 36964 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-44	SW2	Total/NA	Solid	5035	
MB 880-36964/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36964/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36964/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3173-25 MS	BH25	Total/NA	Solid	5035	
890-3173-25 MSD	BH25	Total/NA	Solid	5035	

Prep Batch: 36971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-49	SW7	Total/NA	Solid	5035	
MB 880-36971/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36971/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36971/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3173-49 MS	SW7	Total/NA	Solid	5035	
890-3173-49 MSD	SW7	Total/NA	Solid	5035	

Prep Batch: 36974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-36974/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 37018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-5	BH05	Total/NA	Solid	8021B	36963
890-3173-6	BH06	Total/NA	Solid	8021B	36963
890-3173-7	BH07	Total/NA	Solid	8021B	36963
890-3173-8	BH08	Total/NA	Solid	8021B	36963
890-3173-9	BH09	Total/NA	Solid	8021B	36963
890-3173-10	BH10	Total/NA	Solid	8021B	36963
890-3173-11	BH11	Total/NA	Solid	8021B	36963
890-3173-12	BH12	Total/NA	Solid	8021B	36963
890-3173-13	BH13	Total/NA	Solid	8021B	36963
890-3173-14	BH14	Total/NA	Solid	8021B	36963
890-3173-15	BH15	Total/NA	Solid	8021B	36963
890-3173-16	BH16	Total/NA	Solid	8021B	36963
890-3173-17	BH17	Total/NA	Solid	8021B	36963
890-3173-18	BH18	Total/NA	Solid	8021B	36963
890-3173-19	BH19	Total/NA	Solid	8021B	36963
890-3173-20	BH20	Total/NA	Solid	8021B	36963
890-3173-21	BH21	Total/NA	Solid	8021B	36963
890-3173-22	BH22	Total/NA	Solid	8021B	36963
890-3173-23	BH23	Total/NA	Solid	8021B	36963
890-3173-24	BH24	Total/NA	Solid	8021B	36963
890-3173-25	BH25	Total/NA	Solid	8021B	36964
890-3173-26	BH26	Total/NA	Solid	8021B	36964
890-3173-27	BH27	Total/NA	Solid	8021B	36964
890-3173-28	BH28	Total/NA	Solid	8021B	36964
890-3173-29	BH29	Total/NA	Solid	8021B	36964
890-3173-30	BH30	Total/NA	Solid	8021B	36964
890-3173-31	BH31	Total/NA	Solid	8021B	36964
890-3173-32	BH32	Total/NA	Solid	8021B	36964
890-3173-33	BH33	Total/NA	Solid	8021B	36964

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

GC VOA (Continued)

Analysis Batch: 37018 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-34	BH34	Total/NA	Solid	8021B	36964
890-3173-35	BH35	Total/NA	Solid	8021B	36964
890-3173-36	BH36	Total/NA	Solid	8021B	36964
890-3173-37	BH37	Total/NA	Solid	8021B	36964
890-3173-38	BH38	Total/NA	Solid	8021B	36964
890-3173-39	BH39	Total/NA	Solid	8021B	36964
890-3173-40	BH40	Total/NA	Solid	8021B	36964
890-3173-41	BH41	Total/NA	Solid	8021B	36964
890-3173-42	BH42	Total/NA	Solid	8021B	36964
890-3173-43	SW1	Total/NA	Solid	8021B	36964
890-3173-44	SW2	Total/NA	Solid	8021B	36964
MB 880-36963/5-A	Method Blank	Total/NA	Solid	8021B	36963
MB 880-36964/5-A	Method Blank	Total/NA	Solid	8021B	36964
LCS 880-36963/1-A	Lab Control Sample	Total/NA	Solid	8021B	36963
LCS 880-36964/1-A	Lab Control Sample	Total/NA	Solid	8021B	36964
LCSD 880-36963/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36963
LCSD 880-36964/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36964
890-3173-5 MS	BH05	Total/NA	Solid	8021B	36963
890-3173-5 MSD	BH05	Total/NA	Solid	8021B	36963
890-3173-25 MS	BH25	Total/NA	Solid	8021B	36964
890-3173-25 MSD	BH25	Total/NA	Solid	8021B	36964

Analysis Batch: 37019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-45	SW3	Total/NA	Solid	8021B	36884
MB 880-36884/5-A	Method Blank	Total/NA	Solid	8021B	36884
MB 880-36974/5-A	Method Blank	Total/NA	Solid	8021B	36974
LCS 880-36884/1-A	Lab Control Sample	Total/NA	Solid	8021B	36884
LCSD 880-36884/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36884

Analysis Batch: 37033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-49	SW7	Total/NA	Solid	8021B	36971
MB 880-36971/5-A	Method Blank	Total/NA	Solid	8021B	36971
LCS 880-36971/1-A	Lab Control Sample	Total/NA	Solid	8021B	36971
LCSD 880-36971/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36971
890-3173-49 MS	SW7	Total/NA	Solid	8021B	36971
890-3173-49 MSD	SW7	Total/NA	Solid	8021B	36971

Analysis Batch: 37108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-1	BH01	Total/NA	Solid	Total BTEX	
890-3173-2	BH02	Total/NA	Solid	Total BTEX	
890-3173-3	BH03	Total/NA	Solid	Total BTEX	
890-3173-4	BH04	Total/NA	Solid	Total BTEX	
890-3173-5	BH05	Total/NA	Solid	Total BTEX	
890-3173-6	BH06	Total/NA	Solid	Total BTEX	
890-3173-7	BH07	Total/NA	Solid	Total BTEX	
890-3173-8	BH08	Total/NA	Solid	Total BTEX	
890-3173-9	BH09	Total/NA	Solid	Total BTEX	
890-3173-10	BH10	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

GC VOA (Continued)

Analysis Batch: 37108 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-11	BH11	Total/NA	Solid	Total BTEX	
890-3173-12	BH12	Total/NA	Solid	Total BTEX	
890-3173-13	BH13	Total/NA	Solid	Total BTEX	
890-3173-14	BH14	Total/NA	Solid	Total BTEX	
890-3173-15	BH15	Total/NA	Solid	Total BTEX	
890-3173-16	BH16	Total/NA	Solid	Total BTEX	
890-3173-17	BH17	Total/NA	Solid	Total BTEX	
890-3173-18	BH18	Total/NA	Solid	Total BTEX	
890-3173-19	BH19	Total/NA	Solid	Total BTEX	
890-3173-20	BH20	Total/NA	Solid	Total BTEX	
890-3173-21	BH21	Total/NA	Solid	Total BTEX	
890-3173-22	BH22	Total/NA	Solid	Total BTEX	
890-3173-23	BH23	Total/NA	Solid	Total BTEX	
890-3173-24	BH24	Total/NA	Solid	Total BTEX	
890-3173-25	BH25	Total/NA	Solid	Total BTEX	
890-3173-26	BH26	Total/NA	Solid	Total BTEX	
890-3173-27	BH27	Total/NA	Solid	Total BTEX	
890-3173-28	BH28	Total/NA	Solid	Total BTEX	
890-3173-29	BH29	Total/NA	Solid	Total BTEX	
890-3173-30	BH30	Total/NA	Solid	Total BTEX	
890-3173-31	BH31	Total/NA	Solid	Total BTEX	
890-3173-32	BH32	Total/NA	Solid	Total BTEX	
890-3173-33	BH33	Total/NA	Solid	Total BTEX	
890-3173-34	BH34	Total/NA	Solid	Total BTEX	
890-3173-35	BH35	Total/NA	Solid	Total BTEX	
890-3173-36	BH36	Total/NA	Solid	Total BTEX	
890-3173-37	BH37	Total/NA	Solid	Total BTEX	
890-3173-38	BH38	Total/NA	Solid	Total BTEX	
890-3173-39	BH39	Total/NA	Solid	Total BTEX	
890-3173-40	BH40	Total/NA	Solid	Total BTEX	
890-3173-41	BH41	Total/NA	Solid	Total BTEX	
890-3173-42	BH42	Total/NA	Solid	Total BTEX	
890-3173-43	SW1	Total/NA	Solid	Total BTEX	
890-3173-44	SW2	Total/NA	Solid	Total BTEX	
890-3173-45	SW3	Total/NA	Solid	Total BTEX	
890-3173-46	SW4	Total/NA	Solid	Total BTEX	
890-3173-47	SW5	Total/NA	Solid	Total BTEX	
890-3173-48	SW6	Total/NA	Solid	Total BTEX	
890-3173-49	SW7	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 36395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-41	BH41	Total/NA	Solid	8015NM Prep	
890-3173-42	BH42	Total/NA	Solid	8015NM Prep	
890-3173-43	SW1	Total/NA	Solid	8015NM Prep	
890-3173-44	SW2	Total/NA	Solid	8015NM Prep	
890-3173-45	SW3	Total/NA	Solid	8015NM Prep	
890-3173-46	SW4	Total/NA	Solid	8015NM Prep	
890-3173-47	SW5	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

GC Semi VOA (Continued)

Prep Batch: 36395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-48	SW6	Total/NA	Solid	8015NM Prep	
MB 880-36395/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36395/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36395/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 36488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-41	BH41	Total/NA	Solid	8015B NM	36395
890-3173-42	BH42	Total/NA	Solid	8015B NM	36395
890-3173-43	SW1	Total/NA	Solid	8015B NM	36395
890-3173-44	SW2	Total/NA	Solid	8015B NM	36395
890-3173-45	SW3	Total/NA	Solid	8015B NM	36395
890-3173-46	SW4	Total/NA	Solid	8015B NM	36395
890-3173-47	SW5	Total/NA	Solid	8015B NM	36395
890-3173-48	SW6	Total/NA	Solid	8015B NM	36395
MB 880-36395/1-A	Method Blank	Total/NA	Solid	8015B NM	36395
LCS 880-36395/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36395
LCSD 880-36395/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36395

Analysis Batch: 36492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-1	BH01	Total/NA	Solid	8015B NM	36498
890-3173-2	BH02	Total/NA	Solid	8015B NM	36498
890-3173-3	BH03	Total/NA	Solid	8015B NM	36498
890-3173-4	BH04	Total/NA	Solid	8015B NM	36498
890-3173-5	BH05	Total/NA	Solid	8015B NM	36498
890-3173-6	BH06	Total/NA	Solid	8015B NM	36498
890-3173-7	BH07	Total/NA	Solid	8015B NM	36498
890-3173-8	BH08	Total/NA	Solid	8015B NM	36498
890-3173-9	BH09	Total/NA	Solid	8015B NM	36498
890-3173-10	BH10	Total/NA	Solid	8015B NM	36498
890-3173-11	BH11	Total/NA	Solid	8015B NM	36498
890-3173-12	BH12	Total/NA	Solid	8015B NM	36498
890-3173-13	BH13	Total/NA	Solid	8015B NM	36498
890-3173-14	BH14	Total/NA	Solid	8015B NM	36498
890-3173-15	BH15	Total/NA	Solid	8015B NM	36498
890-3173-16	BH16	Total/NA	Solid	8015B NM	36498
890-3173-17	BH17	Total/NA	Solid	8015B NM	36498
890-3173-18	BH18	Total/NA	Solid	8015B NM	36498
890-3173-19	BH19	Total/NA	Solid	8015B NM	36498
890-3173-20	BH20	Total/NA	Solid	8015B NM	36498
MB 880-36498/1-A	Method Blank	Total/NA	Solid	8015B NM	36498
LCS 880-36498/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36498
LCSD 880-36498/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36498
890-3173-1 MS	BH01	Total/NA	Solid	8015B NM	36498
890-3173-1 MSD	BH01	Total/NA	Solid	8015B NM	36498

Prep Batch: 36498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-1	BH01	Total/NA	Solid	8015NM Prep	
890-3173-2	BH02	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

GC Semi VOA (Continued)

Prep Batch: 36498 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-3	BH03	Total/NA	Solid	8015NM Prep	
890-3173-4	BH04	Total/NA	Solid	8015NM Prep	
890-3173-5	BH05	Total/NA	Solid	8015NM Prep	
890-3173-6	BH06	Total/NA	Solid	8015NM Prep	
890-3173-7	BH07	Total/NA	Solid	8015NM Prep	
890-3173-8	BH08	Total/NA	Solid	8015NM Prep	
890-3173-9	BH09	Total/NA	Solid	8015NM Prep	
890-3173-10	BH10	Total/NA	Solid	8015NM Prep	
890-3173-11	BH11	Total/NA	Solid	8015NM Prep	
890-3173-12	BH12	Total/NA	Solid	8015NM Prep	
890-3173-13	BH13	Total/NA	Solid	8015NM Prep	
890-3173-14	BH14	Total/NA	Solid	8015NM Prep	
890-3173-15	BH15	Total/NA	Solid	8015NM Prep	
890-3173-16	BH16	Total/NA	Solid	8015NM Prep	
890-3173-17	BH17	Total/NA	Solid	8015NM Prep	
890-3173-18	BH18	Total/NA	Solid	8015NM Prep	
890-3173-19	BH19	Total/NA	Solid	8015NM Prep	
890-3173-20	BH20	Total/NA	Solid	8015NM Prep	
MB 880-36498/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36498/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36498/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3173-1 MS	BH01	Total/NA	Solid	8015NM Prep	
890-3173-1 MSD	BH01	Total/NA	Solid	8015NM Prep	

Prep Batch: 36608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-49	SW7	Total/NA	Solid	8015NM Prep	
MB 880-36608/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36608/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36608/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3173-49 MS	SW7	Total/NA	Solid	8015NM Prep	
890-3173-49 MSD	SW7	Total/NA	Solid	8015NM Prep	

Prep Batch: 36626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-21	BH21	Total/NA	Solid	8015NM Prep	
890-3173-22	BH22	Total/NA	Solid	8015NM Prep	
890-3173-23	BH23	Total/NA	Solid	8015NM Prep	
890-3173-24	BH24	Total/NA	Solid	8015NM Prep	
890-3173-25	BH25	Total/NA	Solid	8015NM Prep	
890-3173-26	BH26	Total/NA	Solid	8015NM Prep	
890-3173-27	BH27	Total/NA	Solid	8015NM Prep	
890-3173-28	BH28	Total/NA	Solid	8015NM Prep	
890-3173-29	BH29	Total/NA	Solid	8015NM Prep	
890-3173-30	BH30	Total/NA	Solid	8015NM Prep	
890-3173-31	BH31	Total/NA	Solid	8015NM Prep	
890-3173-32	BH32	Total/NA	Solid	8015NM Prep	
890-3173-33	BH33	Total/NA	Solid	8015NM Prep	
890-3173-34	BH34	Total/NA	Solid	8015NM Prep	
890-3173-35	BH35	Total/NA	Solid	8015NM Prep	
890-3173-36	BH36	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

GC Semi VOA (Continued)

Prep Batch: 36626 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-37	BH37	Total/NA	Solid	8015NM Prep	
890-3173-38	BH38	Total/NA	Solid	8015NM Prep	
890-3173-39	BH39	Total/NA	Solid	8015NM Prep	
890-3173-40	BH40	Total/NA	Solid	8015NM Prep	
MB 880-36626/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36626/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36626/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3173-21 MS	BH21	Total/NA	Solid	8015NM Prep	
890-3173-21 MSD	BH21	Total/NA	Solid	8015NM Prep	

Analysis Batch: 36630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-49	SW7	Total/NA	Solid	8015B NM	36608
MB 880-36608/1-A	Method Blank	Total/NA	Solid	8015B NM	36608
LCS 880-36608/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36608
LCSD 880-36608/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36608
890-3173-49 MS	SW7	Total/NA	Solid	8015B NM	36608
890-3173-49 MSD	SW7	Total/NA	Solid	8015B NM	36608

Analysis Batch: 36637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-21	BH21	Total/NA	Solid	8015B NM	36626
890-3173-22	BH22	Total/NA	Solid	8015B NM	36626
890-3173-23	BH23	Total/NA	Solid	8015B NM	36626
890-3173-24	BH24	Total/NA	Solid	8015B NM	36626
890-3173-25	BH25	Total/NA	Solid	8015B NM	36626
890-3173-26	BH26	Total/NA	Solid	8015B NM	36626
890-3173-27	BH27	Total/NA	Solid	8015B NM	36626
890-3173-28	BH28	Total/NA	Solid	8015B NM	36626
890-3173-29	BH29	Total/NA	Solid	8015B NM	36626
890-3173-30	BH30	Total/NA	Solid	8015B NM	36626
890-3173-31	BH31	Total/NA	Solid	8015B NM	36626
890-3173-32	BH32	Total/NA	Solid	8015B NM	36626
890-3173-33	BH33	Total/NA	Solid	8015B NM	36626
890-3173-34	BH34	Total/NA	Solid	8015B NM	36626
890-3173-35	BH35	Total/NA	Solid	8015B NM	36626
890-3173-36	BH36	Total/NA	Solid	8015B NM	36626
890-3173-37	BH37	Total/NA	Solid	8015B NM	36626
890-3173-38	BH38	Total/NA	Solid	8015B NM	36626
890-3173-39	BH39	Total/NA	Solid	8015B NM	36626
890-3173-40	BH40	Total/NA	Solid	8015B NM	36626
MB 880-36626/1-A	Method Blank	Total/NA	Solid	8015B NM	36626
LCS 880-36626/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36626
LCSD 880-36626/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36626
890-3173-21 MS	BH21	Total/NA	Solid	8015B NM	36626
890-3173-21 MSD	BH21	Total/NA	Solid	8015B NM	36626

Analysis Batch: 36657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-1	BH01	Total/NA	Solid	8015 NM	
890-3173-2	BH02	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

GC Semi VOA (Continued)

Analysis Batch: 36657 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-3	BH03	Total/NA	Solid	8015 NM	
890-3173-4	BH04	Total/NA	Solid	8015 NM	
890-3173-5	BH05	Total/NA	Solid	8015 NM	
890-3173-6	BH06	Total/NA	Solid	8015 NM	
890-3173-7	BH07	Total/NA	Solid	8015 NM	
890-3173-8	BH08	Total/NA	Solid	8015 NM	
890-3173-9	BH09	Total/NA	Solid	8015 NM	
890-3173-10	BH10	Total/NA	Solid	8015 NM	
890-3173-11	BH11	Total/NA	Solid	8015 NM	
890-3173-12	BH12	Total/NA	Solid	8015 NM	
890-3173-13	BH13	Total/NA	Solid	8015 NM	
890-3173-14	BH14	Total/NA	Solid	8015 NM	
890-3173-15	BH15	Total/NA	Solid	8015 NM	
890-3173-16	BH16	Total/NA	Solid	8015 NM	
890-3173-17	BH17	Total/NA	Solid	8015 NM	
890-3173-18	BH18	Total/NA	Solid	8015 NM	
890-3173-19	BH19	Total/NA	Solid	8015 NM	
890-3173-20	BH20	Total/NA	Solid	8015 NM	
890-3173-21	BH21	Total/NA	Solid	8015 NM	
890-3173-22	BH22	Total/NA	Solid	8015 NM	
890-3173-23	BH23	Total/NA	Solid	8015 NM	
890-3173-24	BH24	Total/NA	Solid	8015 NM	
890-3173-25	BH25	Total/NA	Solid	8015 NM	
890-3173-26	BH26	Total/NA	Solid	8015 NM	
890-3173-27	BH27	Total/NA	Solid	8015 NM	
890-3173-28	BH28	Total/NA	Solid	8015 NM	
890-3173-29	BH29	Total/NA	Solid	8015 NM	
890-3173-30	BH30	Total/NA	Solid	8015 NM	
890-3173-31	BH31	Total/NA	Solid	8015 NM	
890-3173-32	BH32	Total/NA	Solid	8015 NM	
890-3173-33	BH33	Total/NA	Solid	8015 NM	
890-3173-34	BH34	Total/NA	Solid	8015 NM	
890-3173-35	BH35	Total/NA	Solid	8015 NM	
890-3173-36	BH36	Total/NA	Solid	8015 NM	
890-3173-37	BH37	Total/NA	Solid	8015 NM	
890-3173-38	BH38	Total/NA	Solid	8015 NM	
890-3173-39	BH39	Total/NA	Solid	8015 NM	
890-3173-40	BH40	Total/NA	Solid	8015 NM	
890-3173-41	BH41	Total/NA	Solid	8015 NM	
890-3173-42	BH42	Total/NA	Solid	8015 NM	
890-3173-43	SW1	Total/NA	Solid	8015 NM	
890-3173-44	SW2	Total/NA	Solid	8015 NM	
890-3173-45	SW3	Total/NA	Solid	8015 NM	
890-3173-46	SW4	Total/NA	Solid	8015 NM	
890-3173-47	SW5	Total/NA	Solid	8015 NM	
890-3173-48	SW6	Total/NA	Solid	8015 NM	
890-3173-49	SW7	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

HPLC/IC

Leach Batch: 36393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-1	BH01	Soluble	Solid	DI Leach	
890-3173-2	BH02	Soluble	Solid	DI Leach	
890-3173-3	BH03	Soluble	Solid	DI Leach	
890-3173-4	BH04	Soluble	Solid	DI Leach	
890-3173-5	BH05	Soluble	Solid	DI Leach	
890-3173-6	BH06	Soluble	Solid	DI Leach	
MB 880-36393/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36393/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36393/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 36396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-7	BH07	Soluble	Solid	DI Leach	
890-3173-8	BH08	Soluble	Solid	DI Leach	
890-3173-9	BH09	Soluble	Solid	DI Leach	
890-3173-10	BH10	Soluble	Solid	DI Leach	
890-3173-11	BH11	Soluble	Solid	DI Leach	
890-3173-12	BH12	Soluble	Solid	DI Leach	
890-3173-13	BH13	Soluble	Solid	DI Leach	
890-3173-14	BH14	Soluble	Solid	DI Leach	
890-3173-15	BH15	Soluble	Solid	DI Leach	
890-3173-16	BH16	Soluble	Solid	DI Leach	
890-3173-17	BH17	Soluble	Solid	DI Leach	
890-3173-18	BH18	Soluble	Solid	DI Leach	
890-3173-19	BH19	Soluble	Solid	DI Leach	
890-3173-20	BH20	Soluble	Solid	DI Leach	
890-3173-21	BH21	Soluble	Solid	DI Leach	
890-3173-22	BH22	Soluble	Solid	DI Leach	
890-3173-23	BH23	Soluble	Solid	DI Leach	
890-3173-24	BH24	Soluble	Solid	DI Leach	
890-3173-25	BH25	Soluble	Solid	DI Leach	
890-3173-26	BH26	Soluble	Solid	DI Leach	
MB 880-36396/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36396/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36396/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3173-7 MS	BH07	Soluble	Solid	DI Leach	
890-3173-7 MSD	BH07	Soluble	Solid	DI Leach	
890-3173-17 MS	BH17	Soluble	Solid	DI Leach	
890-3173-17 MSD	BH17	Soluble	Solid	DI Leach	

Leach Batch: 36397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-27	BH27	Soluble	Solid	DI Leach	
890-3173-28	BH28	Soluble	Solid	DI Leach	
890-3173-29	BH29	Soluble	Solid	DI Leach	
890-3173-30	BH30	Soluble	Solid	DI Leach	
890-3173-31	BH31	Soluble	Solid	DI Leach	
890-3173-32	BH32	Soluble	Solid	DI Leach	
890-3173-33	BH33	Soluble	Solid	DI Leach	
890-3173-34	BH34	Soluble	Solid	DI Leach	
890-3173-35	BH35	Soluble	Solid	DI Leach	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

HPLC/IC (Continued)

Leach Batch: 36397 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-36	BH36	Soluble	Solid	DI Leach	
890-3173-37	BH37	Soluble	Solid	DI Leach	
890-3173-38	BH38	Soluble	Solid	DI Leach	
890-3173-39	BH39	Soluble	Solid	DI Leach	
890-3173-40	BH40	Soluble	Solid	DI Leach	
890-3173-41	BH41	Soluble	Solid	DI Leach	
890-3173-42	BH42	Soluble	Solid	DI Leach	
890-3173-43	SW1	Soluble	Solid	DI Leach	
890-3173-44	SW2	Soluble	Solid	DI Leach	
890-3173-45	SW3	Soluble	Solid	DI Leach	
890-3173-46	SW4	Soluble	Solid	DI Leach	
MB 880-36397/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36397/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36397/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3173-27 MS	BH27	Soluble	Solid	DI Leach	
890-3173-27 MSD	BH27	Soluble	Solid	DI Leach	
890-3173-37 MS	BH37	Soluble	Solid	DI Leach	
890-3173-37 MSD	BH37	Soluble	Solid	DI Leach	

Leach Batch: 36399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-47	SW5	Soluble	Solid	DI Leach	
890-3173-48	SW6	Soluble	Solid	DI Leach	
890-3173-49	SW7	Soluble	Solid	DI Leach	
MB 880-36399/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36399/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36399/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 36632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-1	BH01	Soluble	Solid	300.0	36393
890-3173-2	BH02	Soluble	Solid	300.0	36393
890-3173-3	BH03	Soluble	Solid	300.0	36393
890-3173-4	BH04	Soluble	Solid	300.0	36393
890-3173-5	BH05	Soluble	Solid	300.0	36393
890-3173-6	BH06	Soluble	Solid	300.0	36393
MB 880-36393/1-A	Method Blank	Soluble	Solid	300.0	36393
LCS 880-36393/2-A	Lab Control Sample	Soluble	Solid	300.0	36393
LCSD 880-36393/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36393

Analysis Batch: 36640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-7	BH07	Soluble	Solid	300.0	36396
890-3173-8	BH08	Soluble	Solid	300.0	36396
890-3173-9	BH09	Soluble	Solid	300.0	36396
890-3173-10	BH10	Soluble	Solid	300.0	36396
890-3173-11	BH11	Soluble	Solid	300.0	36396
890-3173-12	BH12	Soluble	Solid	300.0	36396
890-3173-13	BH13	Soluble	Solid	300.0	36396
890-3173-14	BH14	Soluble	Solid	300.0	36396
890-3173-15	BH15	Soluble	Solid	300.0	36396

Eurofins Carlsbad

QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

HPLC/IC (Continued)

Analysis Batch: 36640 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-16	BH16	Soluble	Solid	300.0	36396
890-3173-17	BH17	Soluble	Solid	300.0	36396
890-3173-18	BH18	Soluble	Solid	300.0	36396
890-3173-19	BH19	Soluble	Solid	300.0	36396
890-3173-20	BH20	Soluble	Solid	300.0	36396
890-3173-21	BH21	Soluble	Solid	300.0	36396
890-3173-22	BH22	Soluble	Solid	300.0	36396
890-3173-23	BH23	Soluble	Solid	300.0	36396
890-3173-24	BH24	Soluble	Solid	300.0	36396
890-3173-25	BH25	Soluble	Solid	300.0	36396
890-3173-26	BH26	Soluble	Solid	300.0	36396
MB 880-36396/1-A	Method Blank	Soluble	Solid	300.0	36396
LCS 880-36396/2-A	Lab Control Sample	Soluble	Solid	300.0	36396
LCSD 880-36396/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36396
890-3173-7 MS	BH07	Soluble	Solid	300.0	36396
890-3173-7 MSD	BH07	Soluble	Solid	300.0	36396
890-3173-17 MS	BH17	Soluble	Solid	300.0	36396
890-3173-17 MSD	BH17	Soluble	Solid	300.0	36396

Analysis Batch: 36689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-27	BH27	Soluble	Solid	300.0	36397
890-3173-28	BH28	Soluble	Solid	300.0	36397
890-3173-29	BH29	Soluble	Solid	300.0	36397
890-3173-30	BH30	Soluble	Solid	300.0	36397
890-3173-31	BH31	Soluble	Solid	300.0	36397
890-3173-32	BH32	Soluble	Solid	300.0	36397
890-3173-33	BH33	Soluble	Solid	300.0	36397
890-3173-34	BH34	Soluble	Solid	300.0	36397
890-3173-35	BH35	Soluble	Solid	300.0	36397
890-3173-36	BH36	Soluble	Solid	300.0	36397
890-3173-37	BH37	Soluble	Solid	300.0	36397
890-3173-38	BH38	Soluble	Solid	300.0	36397
890-3173-39	BH39	Soluble	Solid	300.0	36397
890-3173-40	BH40	Soluble	Solid	300.0	36397
890-3173-41	BH41	Soluble	Solid	300.0	36397
890-3173-42	BH42	Soluble	Solid	300.0	36397
890-3173-43	SW1	Soluble	Solid	300.0	36397
890-3173-44	SW2	Soluble	Solid	300.0	36397
890-3173-45	SW3	Soluble	Solid	300.0	36397
890-3173-46	SW4	Soluble	Solid	300.0	36397
MB 880-36397/1-A	Method Blank	Soluble	Solid	300.0	36397
LCS 880-36397/2-A	Lab Control Sample	Soluble	Solid	300.0	36397
LCSD 880-36397/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36397
890-3173-27 MS	BH27	Soluble	Solid	300.0	36397
890-3173-27 MSD	BH27	Soluble	Solid	300.0	36397
890-3173-37 MS	BH37	Soluble	Solid	300.0	36397
890-3173-37 MSD	BH37	Soluble	Solid	300.0	36397

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

HPLC/IC

Analysis Batch: 36690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3173-47	SW5	Soluble	Solid	300.0	36399
890-3173-48	SW6	Soluble	Solid	300.0	36399
890-3173-49	SW7	Soluble	Solid	300.0	36399
MB 880-36399/1-A	Method Blank	Soluble	Solid	300.0	36399
LCS 880-36399/2-A	Lab Control Sample	Soluble	Solid	300.0	36399
LCSD 880-36399/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36399

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH01

Lab Sample ID: 890-3173-1

Date Collected: 10/06/22 10:30

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	36682	10/11/22 13:34	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36933	10/15/22 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 12:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	36393	10/07/22 15:12	CH	EET MID
Soluble	Analysis	300.0		1			36632	10/11/22 16:53	CH	EET MID

Client Sample ID: BH02

Lab Sample ID: 890-3173-2

Date Collected: 10/06/22 10:35

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	36682	10/11/22 13:34	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36933	10/15/22 18:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 13:11	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36393	10/07/22 15:12	CH	EET MID
Soluble	Analysis	300.0		1			36632	10/11/22 16:59	CH	EET MID

Client Sample ID: BH03

Lab Sample ID: 890-3173-3

Date Collected: 10/06/22 10:40

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36682	10/11/22 13:34	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36933	10/15/22 18:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 13:32	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	36393	10/07/22 15:12	CH	EET MID
Soluble	Analysis	300.0		1			36632	10/11/22 17:04	CH	EET MID

Client Sample ID: BH04

Lab Sample ID: 890-3173-4

Date Collected: 10/06/22 10:45

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	36682	10/11/22 13:34	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36933	10/15/22 19:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID

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Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH04

Lab Sample ID: 890-3173-4

Date Collected: 10/06/22 10:45

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 13:54	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36393	10/07/22 15:12	CH	EET MID
Soluble	Analysis	300.0		1			36632	10/11/22 17:10	CH	EET MID

Client Sample ID: BH05

Lab Sample ID: 890-3173-5

Date Collected: 10/06/22 10:50

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/15/22 19:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 14:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	36393	10/07/22 15:12	CH	EET MID
Soluble	Analysis	300.0		1			36632	10/11/22 17:16	CH	EET MID

Client Sample ID: BH06

Lab Sample ID: 890-3173-6

Date Collected: 10/06/22 10:55

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/15/22 19:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 14:37	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36393	10/07/22 15:12	CH	EET MID
Soluble	Analysis	300.0		1			36632	10/11/22 17:22	CH	EET MID

Client Sample ID: BH07

Lab Sample ID: 890-3173-7

Date Collected: 10/06/22 11:00

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/15/22 20:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 14:58	SM	EET MID

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Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH07

Date Collected: 10/06/22 11:00

Date Received: 10/06/22 14:07

Lab Sample ID: 890-3173-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/11/22 20:43	CH	EET MID

Client Sample ID: BH08

Date Collected: 10/06/22 11:05

Date Received: 10/06/22 14:07

Lab Sample ID: 890-3173-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/15/22 20:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 15:20	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	36640	10/11/22 21:06	CH	EET MID

Client Sample ID: BH09

Date Collected: 10/06/22 11:10

Date Received: 10/06/22 14:07

Lab Sample ID: 890-3173-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/15/22 20:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 15:41	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/11/22 21:14	CH	EET MID

Client Sample ID: BH10

Date Collected: 10/06/22 11:15

Date Received: 10/06/22 14:07

Lab Sample ID: 890-3173-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/15/22 21:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 16:03	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/11/22 21:22	CH	EET MID

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Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH11

Lab Sample ID: 890-3173-11

Date Collected: 10/06/22 11:20

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/15/22 21:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 17:24	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/11/22 21:29	CH	EET MID

Client Sample ID: BH12

Lab Sample ID: 890-3173-12

Date Collected: 10/06/22 11:25

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/15/22 21:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 17:45	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/11/22 21:52	CH	EET MID

Client Sample ID: BH13

Lab Sample ID: 890-3173-13

Date Collected: 10/06/22 11:30

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/15/22 22:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 18:07	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/11/22 22:00	CH	EET MID

Client Sample ID: BH14

Lab Sample ID: 890-3173-14

Date Collected: 10/06/22 11:35

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/15/22 22:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH14

Lab Sample ID: 890-3173-14

Date Collected: 10/06/22 11:35

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 18:28	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/11/22 22:08	CH	EET MID

Client Sample ID: BH15

Lab Sample ID: 890-3173-15

Date Collected: 10/06/22 11:40

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/15/22 23:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 18:50	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/11/22 22:16	CH	EET MID

Client Sample ID: BH16

Lab Sample ID: 890-3173-16

Date Collected: 10/06/22 11:45

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 02:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 19:11	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/11/22 22:23	CH	EET MID

Client Sample ID: BH17

Lab Sample ID: 890-3173-17

Date Collected: 10/06/22 11:50

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 02:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 19:32	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH17**Lab Sample ID: 890-3173-17****Date Collected: 10/06/22 11:50****Matrix: Solid****Date Received: 10/06/22 14:07**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/11/22 22:31	CH	EET MID

Client Sample ID: BH18**Lab Sample ID: 890-3173-18****Date Collected: 10/06/22 11:55****Matrix: Solid****Date Received: 10/06/22 14:07**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 00:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 19:53	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/11/22 22:55	CH	EET MID

Client Sample ID: BH19**Lab Sample ID: 890-3173-19****Date Collected: 10/06/22 12:00****Matrix: Solid****Date Received: 10/06/22 14:07**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 00:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 20:15	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/11/22 23:02	CH	EET MID

Client Sample ID: BH20**Lab Sample ID: 890-3173-20****Date Collected: 10/06/22 12:05****Matrix: Solid****Date Received: 10/06/22 14:07**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 00:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36498	10/10/22 07:37	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36492	10/10/22 20:36	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/11/22 23:25	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH21

Lab Sample ID: 890-3173-21

Date Collected: 10/06/22 12:10

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 01:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 11:40	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/11/22 23:33	CH	EET MID

Client Sample ID: BH22

Lab Sample ID: 890-3173-22

Date Collected: 10/06/22 12:15

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 01:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 12:45	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/12/22 09:12	CH	EET MID

Client Sample ID: BH23

Lab Sample ID: 890-3173-23

Date Collected: 10/06/22 12:20

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 01:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 13:07	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/12/22 09:19	CH	EET MID

Client Sample ID: BH24

Lab Sample ID: 890-3173-24

Date Collected: 10/06/22 12:25

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	36963	10/14/22 12:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 02:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID

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Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH24

Lab Sample ID: 890-3173-24

Date Collected: 10/06/22 12:25

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 13:28	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/12/22 09:27	CH	EET MID

Client Sample ID: BH25

Lab Sample ID: 890-3173-25

Date Collected: 10/06/22 12:30

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 05:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 13:49	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/12/22 09:35	CH	EET MID

Client Sample ID: BH26

Lab Sample ID: 890-3173-26

Date Collected: 10/06/22 12:35

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 06:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 14:11	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36396	10/07/22 15:18	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	36640	10/12/22 09:42	CH	EET MID

Client Sample ID: BH27

Lab Sample ID: 890-3173-27

Date Collected: 10/06/22 12:40

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 06:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 14:32	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH27

Lab Sample ID: 890-3173-27

Date Collected: 10/06/22 12:40

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 10:44	CH	EET MID

Client Sample ID: BH28

Lab Sample ID: 890-3173-28

Date Collected: 10/06/22 12:45

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 06:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 14:54	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 11:07	CH	EET MID

Client Sample ID: BH29

Lab Sample ID: 890-3173-29

Date Collected: 10/06/22 12:50

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 07:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 15:15	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 11:15	CH	EET MID

Client Sample ID: BH30

Lab Sample ID: 890-3173-30

Date Collected: 10/06/22 12:55

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 07:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 15:37	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 11:23	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH31

Lab Sample ID: 890-3173-31

Date Collected: 10/06/22 13:00

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 08:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 16:45	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 11:30	CH	EET MID

Client Sample ID: BH32

Lab Sample ID: 890-3173-32

Date Collected: 10/06/22 13:05

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 08:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 17:06	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 11:53	CH	EET MID

Client Sample ID: BH33

Lab Sample ID: 890-3173-33

Date Collected: 10/06/22 13:10

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 08:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 17:27	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 12:01	CH	EET MID

Client Sample ID: BH34

Lab Sample ID: 890-3173-34

Date Collected: 10/06/22 13:15

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 09:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH34

Lab Sample ID: 890-3173-34

Date Collected: 10/06/22 13:15

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 17:49	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 12:32	CH	EET MID

Client Sample ID: BH35

Lab Sample ID: 890-3173-35

Date Collected: 10/06/22 13:20

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 10:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 18:11	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 12:40	CH	EET MID

Client Sample ID: BH36

Lab Sample ID: 890-3173-36

Date Collected: 10/06/22 13:25

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 10:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 18:32	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 12:47	CH	EET MID

Client Sample ID: BH37

Lab Sample ID: 890-3173-37

Date Collected: 10/06/22 13:30

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 11:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 18:54	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH37

Lab Sample ID: 890-3173-37

Date Collected: 10/06/22 13:30

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 12:55	CH	EET MID

Client Sample ID: BH38

Lab Sample ID: 890-3173-38

Date Collected: 10/06/22 13:35

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 11:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 19:16	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 13:18	CH	EET MID

Client Sample ID: BH39

Lab Sample ID: 890-3173-39

Date Collected: 10/06/22 13:40

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 11:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 19:38	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 13:26	CH	EET MID

Client Sample ID: BH40

Lab Sample ID: 890-3173-40

Date Collected: 10/06/22 13:17

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 12:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36626	10/11/22 07:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36637	10/11/22 19:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 13:49	CH	EET MID

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Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: BH41

Lab Sample ID: 890-3173-41

Date Collected: 10/06/22 13:22

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 12:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36395	10/07/22 15:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36488	10/10/22 19:36	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 13:57	CH	EET MID

Client Sample ID: BH42

Lab Sample ID: 890-3173-42

Date Collected: 10/06/22 13:27

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 12:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36395	10/07/22 15:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36488	10/10/22 18:36	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 14:04	CH	EET MID

Client Sample ID: SW1

Lab Sample ID: 890-3173-43

Date Collected: 10/06/22 13:45

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 13:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36395	10/07/22 15:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36488	10/10/22 19:56	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 14:12	CH	EET MID

Client Sample ID: SW2

Lab Sample ID: 890-3173-44

Date Collected: 10/06/22 13:50

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36964	10/14/22 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37018	10/16/22 13:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID

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Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: SW2

Lab Sample ID: 890-3173-44

Date Collected: 10/06/22 13:50

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36395	10/07/22 15:16	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	36488	10/10/22 17:34	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 14:20	CH	EET MID

Client Sample ID: SW3

Lab Sample ID: 890-3173-45

Date Collected: 10/06/22 13:55

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	36884	10/13/22 13:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37019	10/16/22 20:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36395	10/07/22 15:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36488	10/10/22 17:54	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 14:28	CH	EET MID

Client Sample ID: SW4

Lab Sample ID: 890-3173-46

Date Collected: 10/06/22 13:02

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	36943	10/14/22 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36926	10/15/22 15:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36395	10/07/22 15:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36488	10/10/22 18:15	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	36397	10/07/22 15:20	CH	EET MID
Soluble	Analysis	300.0		1			36689	10/12/22 14:35	CH	EET MID

Client Sample ID: SW5

Lab Sample ID: 890-3173-47

Date Collected: 10/06/22 13:07

Matrix: Solid

Date Received: 10/06/22 14:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	36943	10/14/22 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36926	10/15/22 16:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36395	10/07/22 15:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36488	10/10/22 18:56	SM	EET MID

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Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Client Sample ID: SW5**Lab Sample ID: 890-3173-47****Date Collected: 10/06/22 13:07****Matrix: Solid****Date Received: 10/06/22 14:07**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	36399	10/07/22 15:24	CH	EET MID
Soluble	Analysis	300.0		1			36690	10/12/22 22:02	CH	EET MID

Client Sample ID: SW6**Lab Sample ID: 890-3173-48****Date Collected: 10/06/22 13:12****Matrix: Solid****Date Received: 10/06/22 14:07**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	36682	10/11/22 13:34	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36933	10/15/22 20:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36395	10/07/22 15:16	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36488	10/10/22 19:16	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36399	10/07/22 15:24	CH	EET MID
Soluble	Analysis	300.0		1			36690	10/12/22 22:09	CH	EET MID

Client Sample ID: SW7**Lab Sample ID: 890-3173-49****Date Collected: 10/06/22 13:32****Matrix: Solid****Date Received: 10/06/22 14:07**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36971	10/14/22 12:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37033	10/17/22 08:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37108	10/17/22 10:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36657	10/11/22 09:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36608	10/10/22 16:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36630	10/11/22 11:36	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	36399	10/07/22 15:24	CH	EET MID
Soluble	Analysis	300.0		1			36690	10/12/22 22:17	CH	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

Sample Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 890-3173-1
SDG: 12592592

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3173-1	BH01	Solid	10/06/22 10:30	10/06/22 14:07	4
890-3173-2	BH02	Solid	10/06/22 10:35	10/06/22 14:07	4
890-3173-3	BH03	Solid	10/06/22 10:40	10/06/22 14:07	4
890-3173-4	BH04	Solid	10/06/22 10:45	10/06/22 14:07	4
890-3173-5	BH05	Solid	10/06/22 10:50	10/06/22 14:07	4
890-3173-6	BH06	Solid	10/06/22 10:55	10/06/22 14:07	4
890-3173-7	BH07	Solid	10/06/22 11:00	10/06/22 14:07	4
890-3173-8	BH08	Solid	10/06/22 11:05	10/06/22 14:07	4
890-3173-9	BH09	Solid	10/06/22 11:10	10/06/22 14:07	4
890-3173-10	BH10	Solid	10/06/22 11:15	10/06/22 14:07	4
890-3173-11	BH11	Solid	10/06/22 11:20	10/06/22 14:07	4
890-3173-12	BH12	Solid	10/06/22 11:25	10/06/22 14:07	4
890-3173-13	BH13	Solid	10/06/22 11:30	10/06/22 14:07	1
890-3173-14	BH14	Solid	10/06/22 11:35	10/06/22 14:07	1
890-3173-15	BH15	Solid	10/06/22 11:40	10/06/22 14:07	1
890-3173-16	BH16	Solid	10/06/22 11:45	10/06/22 14:07	1
890-3173-17	BH17	Solid	10/06/22 11:50	10/06/22 14:07	1
890-3173-18	BH18	Solid	10/06/22 11:55	10/06/22 14:07	1
890-3173-19	BH19	Solid	10/06/22 12:00	10/06/22 14:07	1
890-3173-20	BH20	Solid	10/06/22 12:05	10/06/22 14:07	1
890-3173-21	BH21	Solid	10/06/22 12:10	10/06/22 14:07	1
890-3173-22	BH22	Solid	10/06/22 12:15	10/06/22 14:07	1
890-3173-23	BH23	Solid	10/06/22 12:20	10/06/22 14:07	1
890-3173-24	BH24	Solid	10/06/22 12:25	10/06/22 14:07	1
890-3173-25	BH25	Solid	10/06/22 12:30	10/06/22 14:07	1
890-3173-26	BH26	Solid	10/06/22 12:35	10/06/22 14:07	1
890-3173-27	BH27	Solid	10/06/22 12:40	10/06/22 14:07	1
890-3173-28	BH28	Solid	10/06/22 12:45	10/06/22 14:07	1
890-3173-29	BH29	Solid	10/06/22 12:50	10/06/22 14:07	1
890-3173-30	BH30	Solid	10/06/22 12:55	10/06/22 14:07	1
890-3173-31	BH31	Solid	10/06/22 13:00	10/06/22 14:07	1
890-3173-32	BH32	Solid	10/06/22 13:05	10/06/22 14:07	1
890-3173-33	BH33	Solid	10/06/22 13:10	10/06/22 14:07	1
890-3173-34	BH34	Solid	10/06/22 13:15	10/06/22 14:07	1
890-3173-35	BH35	Solid	10/06/22 13:20	10/06/22 14:07	1
890-3173-36	BH36	Solid	10/06/22 13:25	10/06/22 14:07	1
890-3173-37	BH37	Solid	10/06/22 13:30	10/06/22 14:07	1
890-3173-38	BH38	Solid	10/06/22 13:35	10/06/22 14:07	1
890-3173-39	BH39	Solid	10/06/22 13:40	10/06/22 14:07	1
890-3173-40	BH40	Solid	10/06/22 13:17	10/06/22 14:07	1
890-3173-41	BH41	Solid	10/06/22 13:22	10/06/22 14:07	1
890-3173-42	BH42	Solid	10/06/22 13:27	10/06/22 14:07	1
890-3173-43	SW1	Solid	10/06/22 13:45	10/06/22 14:07	0 - 4
890-3173-44	SW2	Solid	10/06/22 13:50	10/06/22 14:07	0 - 4
890-3173-45	SW3	Solid	10/06/22 13:55	10/06/22 14:07	1 - 4
890-3173-46	SW4	Solid	10/06/22 13:02	10/06/22 14:07	0 - 4
890-3173-47	SW5	Solid	10/06/22 13:07	10/06/22 14:07	0 - 1
890-3173-48	SW6	Solid	10/06/22 13:12	10/06/22 14:07	0 - 1
890-3173-49	SW7	Solid	10/06/22 13:32	10/06/22 14:07	0 - 1



Environment Testing
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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

Work Order No: _____

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Page 1 of 5

Project Manager:	Christine Mathews	Bill to: (if different)	GHD Services Inc.
Company Name:	GHD Services Inc.	Company Name:	
Address:	6121 Indian School Rd NE Ste 200	Address:	6121 Indian School Rd NE Ste 200
City, State ZIP:	Albuquerque, NM 87110	City, State ZIP:	Albuquerque, NM 87110
Phone:	505.269.0088	Email:	christine.mathews@ghd.com

Work Order Comments	
Program: UST/PST ☐ PRF ☐ Brownfield ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRF ☐ Level I ☐	
Deliverables: EDD ☒ ADaPT ☐ Other:	

Project Name:	Delek Queso Blanco		Turn Around		ANALYSIS REQUEST										Preservative Codes				
Project Number:	12592592		☒ Routine ☐ Rush		Pres. Code													None: NO	DI Water: H ₂ O
Project Location:	Lea County NM		Due Date:		Parameters													Cool: Cool	MeOH: Me
Sampler's Name:	Liam Giersdorf		TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO ₃ : HN
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT				Temp Blank: ☒ Yes ☐ No		Wet Ice: ☒ Yes ☐ No													H ₃ PO ₄ : HP
Samples Received Intact:	☒ Yes ☐ No		Thermometer ID:															NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☐ No ☒ N/A		Correction Factor:															Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes ☐ No ☒ N/A		Temperature Reading:															Zn Acetate+NaOH: Zn	
Total Containers:			Corrected Temperature:															NaOH+Ascorbic Acid: SAPC	
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont											Sample Comments	
BH1		Soil	1006	1030	4'														
BH2				1035	1														
BH3				1040															
BH4				1045															
BH5				1050															
BH6				1055															
BH7				1100															
BH8				1105															
BH9				1110															
BH10				1115															

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 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010:	8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Released by Liam Giersdorf 100622 Amanda Stief 10/6/22 14:07

Released by: Liam Gibbons of 26 100627 Avenida Street 10/6/22 14:07



Environment Testing
Xenco

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: _____

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Project Manager:	Christine Mathews	Bill to: (if different)	GHD Services Inc.
Company Name:	GHD Services Inc.	Company Name:	
Address:	6121 Indian School Rd NE Ste 200	Address:	6121 Indian School Rd NE Ste 200
City, State ZIP:	Albuquerque, NM 87110	City, State ZIP:	Albuquerque, NM 87110
Phone:	505.269.0088	Email:	christine.mathews@ghd.com

Work Order Comments	
Program:	UST/PST ☐ PRF ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRF ☐ Level I ☐
Deliverables:	EDD ☒ ADaPT ☐ Other: _____

Project Name:		Delek Queso Blanco		Turn Around		ANALYSIS REQUEST																Preservative Codes					
Project Number:		12592592		☒ Routine ☐ Rush		Pres. Code																		None: NO DI Water: H ₂ O			
Project Location:		Lea County NM		Due Date:																				Cool: Cool MeOH: Me			
Sampler's Name:		Liam Giersdorf		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO ₃ : HN			
PO #:																								H ₂ SO ₄ : H ₂ NaOH: Na			
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Lab:		Yes No		Parameters																H ₃ PO ₄ : HP	
Samples Received Intact:		Yes No		Thermometer ID:																						NaHSO ₄ : NABIS	
Cooler Custody Seals:		Yes No N/A		Correction Factor:																						Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:		Yes No N/A		Temperature Reading:																						Zn Acetate+NaOH: Zn	
Total Containers:				Corrected Temperature:																						NaOH+Ascorbic Acid: SAPC	
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont																	Sample Comments			
BH21		Soil	1006	1210	1'			BTEx																			
BH22				1215				TPH																			
BH23				1220				CI-																			
BH24				1225																							
BH25				1230																							
BH26				1235																							
BH27				1240																							
BH28				1245																							
BH29				1250																							
BH30				1255																							

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 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010:	8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Released by: Liam Giersdorf 100822 Amanda Smith 10/25/2022



Environment Testing
Xenco

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: _____

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Project Manager:	Christine Mathews	Bill to: (if different)	GHD Services Inc.
Company Name:	GHD Services Inc.	Company Name:	
Address:	6121 Indian School Rd NE Ste 200	Address:	6121 Indian School Rd NE Ste 200
City, State ZIP:	Albuquerque, NM 87110	City, State ZIP:	Albuquerque, NM 87110
Phone:	505.269.0088	Email:	christine.mathews@ghd.com

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level I ☐
Deliverables:	EDD ☒ ADaPT ☐ Other: _____

Project Name:		Turn Around		ANALYSIS REQUEST																Preservative Codes								
Project Number:		12592592		☒ Routine ☐ Rush		Pres. Code																		None: NO DI Water: H ₂ O				
Project Location:		Lea County NM		Due Date:																				Cool: Cool MeOH: Me				
Sampler's Name:		Liam Giersdorf		TAT starts the day received by the lab if received by 4:30pm																				HCL: HC HNO ₃ : HN				
PO #:																								H ₂ SO ₄ : H ₂ NaOH: Na				
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No		Parameters																Sample Comments		
Samples Received Intact:		Yes No		Thermometer ID:																								
Cooler Custody Seals:		Yes No N/A		Correction Factor:																								
Sample Custody Seals:		Yes No N/A		Temperature Reading:																								
Total Containers:				Corrected Temperature:																								
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont																					
BH 31		Soil	1006	1300	1'			BTEX	TPH	CI-																		
BH 32				1305																								
BH 33				1310																								
BH 34				1315																								
BH 35				1320																								
BH 36				1325																								
BH 37				1330																								
BH 38				1335																								
BH 39				1340																								
BH 40				1415																								

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 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010: 8RCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Released by: Liam Giersdorf 100622 Amanda Stief 10/6/22 1407

Released by: Liam Giersdorf *Plac* 107622 Amanda Strif 10/6/22 1407

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-3173-1

SDG Number: 12592592

Login Number: 3173**List Number: 1****Creator: Clifton, Cloe****List Source: Eurofins Carlsbad**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	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.	N/A	Refer to Job Narrative for details.
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: 890-3173-1

SDG Number: 12592592

Login Number: 3173**List Number: 2****Creator: Rodriguez, Leticia****List Source: Eurofins Midland****List Creation: 10/10/22 08:41 AM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Christine Mathews
GHD Services Inc.
6121 Indian School Road NE
Suite 200
Albuquerque New Mexico 87110

Generated 11/17/2022 7:27:48 PM

JOB DESCRIPTION

Delek Queso Blanco
SDG NUMBER 12592592

JOB NUMBER

880-21411-1

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Laboratory Job ID: 880-21411-1
SDG: 12592592

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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
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.

HPLC/IC

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

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Job ID: 880-21411-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-21411-1****Comments**

No additional comments.

Receipt

The samples were received on 11/9/2022 4:41 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.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-39251 and analytical batch 880-39391 was outside the upper control 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 surrogate recovery for the blank associated with preparation batch 880-39171 and analytical batch 880-39162 was outside the upper control limits.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: SW9 (880-21411-37) and SW10 (880-21411-38). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: The surrogate recovery for the blank associated with preparation batch 880-39172 and analytical batch 880-39269 was outside the upper control limits.

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-39172 and analytical batch 880-39269 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015B NM: The CCV was biased high for both gasoline and diesel range hydrocarbons. However, another CCV was analyzed and acceptable in the 12 hour period; therefore, the data was qualified and reported.

(CCV 880-39373/47)

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (MB 880-39314/1-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-39262 and analytical batch 880-39366 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 8015B NM: Surrogate recovery for the following samples were outside control limits: BH22A (880-21411-21), BH25A (880-21411-24), (MB 880-39262/1-A) and (880-21411-A-21-F MSD). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-39230 and analytical batch 880-39377 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: BH03A (880-21411-2), BH04A (880-21411-3), BH05A (880-21411-4), (880-21411-A-1-B MS) and (880-21411-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: BH08A (880-21411-7) and BH09A (880-21411-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Job ID: 880-21411-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: BH11A (880-21411-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: BH12A (880-21411-11), BH13A (880-21411-12), BH14A (880-21411-13), BH15A (880-21411-14), BH16A (880-21411-15), BH17A (880-21411-16), BH18A (880-21411-17), BH19A (880-21411-18), BH20A (880-21411-19) and BH21A (880-21411-20). 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.

General Chemistry

No analytical or quality issues were noted, other than those described 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.

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH02A

Lab Sample ID: 880-21411-1

Date Collected: 11/07/22 11:05

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 08:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 08:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 08:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 08:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 08:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 08:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	11/10/22 13:55	11/13/22 08:58	1
1,4-Difluorobenzene (Surr)	106		70 - 130	11/10/22 13:55	11/13/22 08:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:13	1

Method: SW846 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 F2	50.0		mg/Kg		11/10/22 11:57	11/13/22 11:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		11/10/22 11:57	11/13/22 11:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 11:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	11/10/22 11:57	11/13/22 11:47	1
o-Terphenyl	80		70 - 130	11/10/22 11:57	11/13/22 11:47	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		4.97		mg/Kg			11/15/22 07:06	1

Client Sample ID: BH03A

Lab Sample ID: 880-21411-2

Date Collected: 11/07/22 11:07

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 09:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 09:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 09:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 13:55	11/13/22 09:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 09:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 13:55	11/13/22 09:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	11/10/22 13:55	11/13/22 09:19	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/10/22 13:55	11/13/22 09:19	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH03A

Lab Sample ID: 880-21411-2

Date Collected: 11/07/22 11:07

Matrix: Solid

Date Received: 11/09/22 16:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	566		49.8		mg/Kg			11/14/22 15:13	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 11:57	11/13/22 12:53	1
Diesel Range Organics (Over C10-C28)	501		49.8		mg/Kg		11/10/22 11:57	11/13/22 12:53	1
Oil Range Organics (Over C28-C36)	65.3		49.8		mg/Kg		11/10/22 11:57	11/13/22 12:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				11/10/22 11:57	11/13/22 12:53	1
o-Terphenyl	75		70 - 130				11/10/22 11:57	11/13/22 12:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.7		4.96		mg/Kg			11/15/22 07:21	1

Client Sample ID: BH04A

Lab Sample ID: 880-21411-3

Date Collected: 11/07/22 11:09

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 09:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 09:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 09:40	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/22 13:55	11/13/22 09:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 09:40	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/22 13:55	11/13/22 09:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				11/10/22 13:55	11/13/22 09:40	1
1,4-Difluorobenzene (Surr)	112		70 - 130				11/10/22 13:55	11/13/22 09:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 13:16	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH04A

Lab Sample ID: 880-21411-3

Date Collected: 11/07/22 11:09

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 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)	<49.9	U	49.9		mg/Kg		11/10/22 11:57	11/13/22 13:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 11:57	11/13/22 13:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	50	S1-	70 - 130				11/10/22 11:57	11/13/22 13:16	1
o-Terphenyl	52	S1-	70 - 130				11/10/22 11:57	11/13/22 13:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		5.00		mg/Kg			11/15/22 07:26	1

Client Sample ID: BH05A

Lab Sample ID: 880-21411-4

Date Collected: 11/07/22 11:11

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 10:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 10:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 10:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 13:55	11/13/22 10:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 10:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 13:55	11/13/22 10:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				11/10/22 13:55	11/13/22 10:01	1
1,4-Difluorobenzene (Surr)	117		70 - 130				11/10/22 13:55	11/13/22 10:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 13:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 13:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	46	S1-	70 - 130				11/10/22 11:57	11/13/22 13:38	1
o-Terphenyl	49	S1-	70 - 130				11/10/22 11:57	11/13/22 13:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.1		5.03		mg/Kg			11/15/22 07:31	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH06A

Lab Sample ID: 880-21411-5

Date Collected: 11/07/22 11:12

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 10:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 10:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 10:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 10:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 10:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 10:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	11/10/22 13:55	11/13/22 10:21	1
1,4-Difluorobenzene (Surr)	113		70 - 130	11/10/22 13:55	11/13/22 10:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	294		50.0		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 14:00	1
Diesel Range Organics (Over C10-C28)	294		50.0		mg/Kg		11/10/22 11:57	11/13/22 14:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 14:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	11/10/22 11:57	11/13/22 14:00	1
o-Terphenyl	82		70 - 130	11/10/22 11:57	11/13/22 14:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.3		5.05		mg/Kg			11/15/22 07:36	1

Client Sample ID: BH07A

Lab Sample ID: 880-21411-6

Date Collected: 11/07/22 11:13

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 10:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 10:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 10:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 10:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 10:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 10:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	11/10/22 13:55	11/13/22 10:42	1
1,4-Difluorobenzene (Surr)	115		70 - 130	11/10/22 13:55	11/13/22 10:42	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH07A

Lab Sample ID: 880-21411-6

Date Collected: 11/07/22 11:13

Matrix: Solid

Date Received: 11/09/22 16:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.9		50.0		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 14:22	1
Diesel Range Organics (Over C10-C28)	52.9		50.0		mg/Kg		11/10/22 11:57	11/13/22 14:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				11/10/22 11:57	11/13/22 14:22	1
o-Terphenyl	70		70 - 130				11/10/22 11:57	11/13/22 14:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.1		5.02		mg/Kg			11/15/22 07:51	1

Client Sample ID: BH08A

Lab Sample ID: 880-21411-7

Date Collected: 11/07/22 11:14

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/10/22 13:55	11/13/22 11:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 13:55	11/13/22 11:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 13:55	11/13/22 11:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 13:55	11/13/22 11:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 13:55	11/13/22 11:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 13:55	11/13/22 11:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				11/10/22 13:55	11/13/22 11:03	1
1,4-Difluorobenzene (Surr)	115		70 - 130				11/10/22 13:55	11/13/22 11:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	95.3		50.0		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 14:44	1
Diesel Range Organics (Over C10-C28)	95.3		50.0		mg/Kg		11/10/22 11:57	11/13/22 14:44	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH08A

Lab Sample ID: 880-21411-7

Date Collected: 11/07/22 11:14

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	40	S1-	70 - 130				11/10/22 11:57	11/13/22 14:44	1
o-Terphenyl	37	S1-	70 - 130				11/10/22 11:57	11/13/22 14:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	189		4.98		mg/Kg			11/15/22 07:56	1

Client Sample ID: BH09A

Lab Sample ID: 880-21411-8

Date Collected: 11/07/22 11:15

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/10/22 13:55	11/13/22 11:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/10/22 13:55	11/13/22 11:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/10/22 13:55	11/13/22 11:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/10/22 13:55	11/13/22 11:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/10/22 13:55	11/13/22 11:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/10/22 13:55	11/13/22 11:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				11/10/22 13:55	11/13/22 11:24	1
1,4-Difluorobenzene (Surr)	113		70 - 130				11/10/22 13:55	11/13/22 11:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 15:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 15:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	44	S1-	70 - 130				11/10/22 11:57	11/13/22 15:06	1
o-Terphenyl	43	S1-	70 - 130				11/10/22 11:57	11/13/22 15:06	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.0		4.97		mg/Kg			11/15/22 08:01	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH10A

Lab Sample ID: 880-21411-9

Date Collected: 11/07/22 11:16

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 11:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 11:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 11:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 11:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 11:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 11:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	11/10/22 13:55	11/13/22 11:45	1
1,4-Difluorobenzene (Surr)	109		70 - 130	11/10/22 13:55	11/13/22 11:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	84.0		49.9		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 15:28	1
Diesel Range Organics (Over C10-C28)	84.0		49.9		mg/Kg		11/10/22 11:57	11/13/22 15:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 11:57	11/13/22 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	11/10/22 11:57	11/13/22 15:28	1
o-Terphenyl	71		70 - 130	11/10/22 11:57	11/13/22 15:28	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.5		5.01		mg/Kg			11/15/22 08:06	1

Client Sample ID: BH11A

Lab Sample ID: 880-21411-10

Date Collected: 11/07/22 11:17

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 12:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 12:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 12:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 13:55	11/13/22 12:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 12:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 13:55	11/13/22 12:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	11/10/22 13:55	11/13/22 12:05	1
1,4-Difluorobenzene (Surr)	114		70 - 130	11/10/22 13:55	11/13/22 12:05	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH11A

Lab Sample ID: 880-21411-10

Date Collected: 11/07/22 11:17

Matrix: Solid

Date Received: 11/09/22 16:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 15:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 11:57	11/13/22 15:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 11:57	11/13/22 15:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	37	S1-	70 - 130				11/10/22 11:57	11/13/22 15:50	1
o-Terphenyl	28	S1-	70 - 130				11/10/22 11:57	11/13/22 15:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		4.98		mg/Kg			11/15/22 08:11	1

Client Sample ID: BH12A

Lab Sample ID: 880-21411-11

Date Collected: 11/07/22 11:18

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 13:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 13:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 13:30	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/22 13:55	11/13/22 13:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 13:30	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/22 13:55	11/13/22 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				11/10/22 13:55	11/13/22 13:30	1
1,4-Difluorobenzene (Surr)	98		70 - 130				11/10/22 13:55	11/13/22 13:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 16:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 11:57	11/13/22 16:34	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH12A

Lab Sample ID: 880-21411-11

Date Collected: 11/07/22 11:18

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 11:57	11/13/22 16:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	33	S1-	70 - 130				11/10/22 11:57	11/13/22 16:34	1
o-Terphenyl	28	S1-	70 - 130				11/10/22 11:57	11/13/22 16:34	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.5		5.03		mg/Kg			11/15/22 08:16	1

Client Sample ID: BH13A

Lab Sample ID: 880-21411-12

Date Collected: 11/07/22 11:19

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 13:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 13:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 13:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 13:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 13:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 13:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				11/10/22 13:55	11/13/22 13:51	1
1,4-Difluorobenzene (Surr)	120		70 - 130				11/10/22 13:55	11/13/22 13:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 16:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 11:57	11/13/22 16:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 11:57	11/13/22 16:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	56	S1-	70 - 130				11/10/22 11:57	11/13/22 16:56	1
o-Terphenyl	58	S1-	70 - 130				11/10/22 11:57	11/13/22 16:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.5		5.02		mg/Kg			11/15/22 08:31	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH14A

Lab Sample ID: 880-21411-13

Date Collected: 11/07/22 11:20

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 14:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 14:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 14:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 14:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 14:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	11/10/22 13:55	11/13/22 14:12	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/10/22 13:55	11/13/22 14:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 17:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 17:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	52	S1-	70 - 130	11/10/22 11:57	11/13/22 17:19	1
o-Terphenyl	54	S1-	70 - 130	11/10/22 11:57	11/13/22 17:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.9		5.04		mg/Kg			11/15/22 08:35	1

Client Sample ID: BH15A

Lab Sample ID: 880-21411-14

Date Collected: 11/07/22 11:21

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/10/22 13:55	11/13/22 14:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 13:55	11/13/22 14:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 13:55	11/13/22 14:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 13:55	11/13/22 14:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 13:55	11/13/22 14:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 13:55	11/13/22 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	11/10/22 13:55	11/13/22 14:32	1
1,4-Difluorobenzene (Surr)	73		70 - 130	11/10/22 13:55	11/13/22 14:32	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH15A

Lab Sample ID: 880-21411-14

Date Collected: 11/07/22 11:21

Matrix: Solid

Date Received: 11/09/22 16:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 17:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 11:57	11/13/22 17:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 11:57	11/13/22 17:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	27	S1-	70 - 130				11/10/22 11:57	11/13/22 17:41	1
o-Terphenyl	22	S1-	70 - 130				11/10/22 11:57	11/13/22 17:41	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.0		4.97		mg/Kg			11/15/22 08:50	1

Client Sample ID: BH16A

Lab Sample ID: 880-21411-15

Date Collected: 11/07/22 11:22

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 14:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 14:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 14:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 13:55	11/13/22 14:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 14:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 13:55	11/13/22 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				11/10/22 13:55	11/13/22 14:53	1
1,4-Difluorobenzene (Surr)	113		70 - 130				11/10/22 13:55	11/13/22 14:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	81.2		50.0		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 18:03	1
Diesel Range Organics (Over C10-C28)	81.2		50.0		mg/Kg		11/10/22 11:57	11/13/22 18:03	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH16A

Lab Sample ID: 880-21411-15

Date Collected: 11/07/22 11:22

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	47	S1-	70 - 130				11/10/22 11:57	11/13/22 18:03	1
o-Terphenyl	48	S1-	70 - 130				11/10/22 11:57	11/13/22 18:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.8		5.05		mg/Kg			11/15/22 08:55	1

Client Sample ID: BH17A

Lab Sample ID: 880-21411-16

Date Collected: 11/07/22 11:23

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 15:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 15:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 15:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 15:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 15:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				11/10/22 13:55	11/13/22 15:14	1
1,4-Difluorobenzene (Surr)	101		70 - 130				11/10/22 13:55	11/13/22 15:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.6		49.9		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 18:25	1
Diesel Range Organics (Over C10-C28)	57.6		49.9		mg/Kg		11/10/22 11:57	11/13/22 18:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 11:57	11/13/22 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	62	S1-	70 - 130				11/10/22 11:57	11/13/22 18:25	1
o-Terphenyl	64	S1-	70 - 130				11/10/22 11:57	11/13/22 18:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.8		5.04		mg/Kg			11/15/22 09:00	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH18A

Lab Sample ID: 880-21411-17

Date Collected: 11/07/22 11:24

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 15:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 15:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 15:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 13:55	11/13/22 15:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 15:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 13:55	11/13/22 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	11/10/22 13:55	11/13/22 15:35	1
1,4-Difluorobenzene (Surr)	102		70 - 130	11/10/22 13:55	11/13/22 15:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	258		49.9		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 18:47	1
Diesel Range Organics (Over C10-C28)	258		49.9		mg/Kg		11/10/22 11:57	11/13/22 18:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 11:57	11/13/22 18:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	40	S1-	70 - 130	11/10/22 11:57	11/13/22 18:47	1
o-Terphenyl	40	S1-	70 - 130	11/10/22 11:57	11/13/22 18:47	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		4.99		mg/Kg			11/15/22 09:05	1

Client Sample ID: BH19A

Lab Sample ID: 880-21411-18

Date Collected: 11/07/22 11:25

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 15:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 15:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 15:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 15:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 13:55	11/13/22 15:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 13:55	11/13/22 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	11/10/22 13:55	11/13/22 15:56	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/10/22 13:55	11/13/22 15:56	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH19A

Lab Sample ID: 880-21411-18

Date Collected: 11/07/22 11:25

Matrix: Solid

Date Received: 11/09/22 16:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 19:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 19:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	59	S1-	70 - 130				11/10/22 11:57	11/13/22 19:09	1
o-Terphenyl	64	S1-	70 - 130				11/10/22 11:57	11/13/22 19:09	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.8		5.00		mg/Kg			11/15/22 09:10	1

Client Sample ID: BH20A

Lab Sample ID: 880-21411-19

Date Collected: 11/07/22 11:26

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 16:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 16:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 16:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 13:55	11/13/22 16:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 16:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 13:55	11/13/22 16:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				11/10/22 13:55	11/13/22 16:17	1
1,4-Difluorobenzene (Surr)	117		70 - 130				11/10/22 13:55	11/13/22 16:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:13	1

Method: SW846 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		mg/Kg		11/10/22 11:57	11/13/22 19:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 11:57	11/13/22 19:32	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH20A

Lab Sample ID: 880-21411-19

Date Collected: 11/07/22 11:26

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 11:57	11/13/22 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	48	S1-	70 - 130				11/10/22 11:57	11/13/22 19:32	1
o-Terphenyl	47	S1-	70 - 130				11/10/22 11:57	11/13/22 19:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.5		4.97		mg/Kg			11/15/22 09:15	1

Client Sample ID: BH21A

Lab Sample ID: 880-21411-20

Date Collected: 11/07/22 11:27

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/10/22 13:55	11/13/22 16:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 13:55	11/13/22 16:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 13:55	11/13/22 16:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 13:55	11/13/22 16:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 13:55	11/13/22 16:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 13:55	11/13/22 16:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				11/10/22 13:55	11/13/22 16:37	1
1,4-Difluorobenzene (Surr)	115		70 - 130				11/10/22 13:55	11/13/22 16:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/14/22 16:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	60.5		49.8		mg/Kg			11/14/22 15:13	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 11:57	11/13/22 19:53	1
Diesel Range Organics (Over C10-C28)	60.5		49.8		mg/Kg		11/10/22 11:57	11/13/22 19:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/10/22 11:57	11/13/22 19:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	54	S1-	70 - 130				11/10/22 11:57	11/13/22 19:53	1
o-Terphenyl	48	S1-	70 - 130				11/10/22 11:57	11/13/22 19:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.2		4.96		mg/Kg			11/15/22 09:20	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH22A

Lab Sample ID: 880-21411-21

Date Collected: 11/07/22 11:28

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 12:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 12:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 12:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 14:00	11/14/22 12:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 12:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 14:00	11/14/22 12:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	11/10/22 14:00	11/14/22 12:12	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/10/22 14:00	11/14/22 12:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:10	1

Method: SW846 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 F1 F2	50.0		mg/Kg		11/10/22 15:47	11/12/22 21:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2	50.0		mg/Kg		11/10/22 15:47	11/12/22 21:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 15:47	11/12/22 21:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	59	S1-	70 - 130	11/10/22 15:47	11/12/22 21:09	1
o-Terphenyl	61	S1-	70 - 130	11/10/22 15:47	11/12/22 21:09	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.3		5.00		mg/Kg			11/15/22 12:02	1

Client Sample ID: BH23A

Lab Sample ID: 880-21411-22

Date Collected: 11/07/22 11:29

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:00	11/14/22 12:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:00	11/14/22 12:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:00	11/14/22 12:39	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/10/22 14:00	11/14/22 12:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:00	11/14/22 12:39	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/10/22 14:00	11/14/22 12:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	11/10/22 14:00	11/14/22 12:39	1
1,4-Difluorobenzene (Surr)	93		70 - 130	11/10/22 14:00	11/14/22 12:39	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH23A

Lab Sample ID: 880-21411-22

Date Collected: 11/07/22 11:29

Matrix: Solid

Date Received: 11/09/22 16:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.9		49.8		mg/Kg			11/14/22 15:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 15:47	11/12/22 22:15	1
Diesel Range Organics (Over C10-C28)	56.9		49.8		mg/Kg		11/10/22 15:47	11/12/22 22:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/10/22 15:47	11/12/22 22:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				11/10/22 15:47	11/12/22 22:15	1
o-Terphenyl	92		70 - 130				11/10/22 15:47	11/12/22 22:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.3		4.99		mg/Kg			11/15/22 12:17	1

Client Sample ID: BH24A

Lab Sample ID: 880-21411-23

Date Collected: 11/07/22 11:30

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 13:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 13:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 13:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:00	11/14/22 13:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 13:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:00	11/14/22 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				11/10/22 14:00	11/14/22 13:06	1
1,4-Difluorobenzene (Surr)	99		70 - 130				11/10/22 14:00	11/14/22 13:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	69.5		49.9		mg/Kg			11/14/22 15:10	1

Method: SW846 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		mg/Kg		11/10/22 15:47	11/12/22 22:37	1
Diesel Range Organics (Over C10-C28)	69.5		49.9		mg/Kg		11/10/22 15:47	11/12/22 22:37	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH24A

Lab Sample ID: 880-21411-23

Date Collected: 11/07/22 11:30

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 15:47	11/12/22 22:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				11/10/22 15:47	11/12/22 22:37	1
o-Terphenyl	119		70 - 130				11/10/22 15:47	11/12/22 22:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.2		4.95		mg/Kg			11/15/22 12:22	1

Client Sample ID: BH25A

Lab Sample ID: 880-21411-24

Date Collected: 11/07/22 11:31

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 13:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 13:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 13:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 13:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 13:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 13:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				11/10/22 14:00	11/14/22 13:33	1
1,4-Difluorobenzene (Surr)	100		70 - 130				11/10/22 14:00	11/14/22 13:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:10	1

Method: SW846 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		mg/Kg		11/10/22 15:47	11/12/22 23:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 15:47	11/12/22 23:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 15:47	11/12/22 23:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	51	S1-	70 - 130				11/10/22 15:47	11/12/22 23:00	1
o-Terphenyl	50	S1-	70 - 130				11/10/22 15:47	11/12/22 23:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.444		0.0501		mg/Kg			11/15/22 12:27	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH26A

Lab Sample ID: 880-21411-25

Date Collected: 11/07/22 11:32

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 13:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 13:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 13:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 13:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 13:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	11/10/22 14:00	11/14/22 13:59	1
1,4-Difluorobenzene (Surr)	95		70 - 130	11/10/22 14:00	11/14/22 13:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:10	1

Method: SW846 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		mg/Kg		11/10/22 15:47	11/12/22 23:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 15:47	11/12/22 23:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 15:47	11/12/22 23:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	11/10/22 15:47	11/12/22 23:22	1
o-Terphenyl	102		70 - 130	11/10/22 15:47	11/12/22 23:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.6		4.98		mg/Kg			11/15/22 12:31	1

Client Sample ID: BH27A

Lab Sample ID: 880-21411-26

Date Collected: 11/07/22 11:33

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 14:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 14:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 14:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:00	11/14/22 14:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 14:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:00	11/14/22 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	11/10/22 14:00	11/14/22 14:26	1
1,4-Difluorobenzene (Surr)	95		70 - 130	11/10/22 14:00	11/14/22 14:26	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH27A

Lab Sample ID: 880-21411-26

Date Collected: 11/07/22 11:33

Matrix: Solid

Date Received: 11/09/22 16:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.2		49.9		mg/Kg			11/14/22 15:10	1

Method: SW846 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		mg/Kg		11/10/22 15:47	11/12/22 23:43	1
Diesel Range Organics (Over C10-C28)	66.2		49.9		mg/Kg		11/10/22 15:47	11/12/22 23:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 15:47	11/12/22 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				11/10/22 15:47	11/12/22 23:43	1
o-Terphenyl	111		70 - 130				11/10/22 15:47	11/12/22 23:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.3		4.97		mg/Kg			11/15/22 12:46	1

Client Sample ID: BH31A

Lab Sample ID: 880-21411-27

Date Collected: 11/07/22 11:34

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 14:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 14:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 14:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 14:00	11/14/22 14:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 14:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 14:00	11/14/22 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				11/10/22 14:00	11/14/22 14:51	1
1,4-Difluorobenzene (Surr)	92		70 - 130				11/10/22 14:00	11/14/22 14:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:10	1

Method: SW846 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		mg/Kg		11/10/22 15:47	11/13/22 00:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 15:47	11/13/22 00:05	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH31A

Lab Sample ID: 880-21411-27

Date Collected: 11/07/22 11:34

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 15:47	11/13/22 00:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				11/10/22 15:47	11/13/22 00:05	1
o-Terphenyl	104		70 - 130				11/10/22 15:47	11/13/22 00:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.2		4.96		mg/Kg			11/15/22 12:51	1

Client Sample ID: BH32A

Lab Sample ID: 880-21411-28

Date Collected: 11/07/22 11:35

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:00	11/14/22 15:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:00	11/14/22 15:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:00	11/14/22 15:17	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/10/22 14:00	11/14/22 15:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:00	11/14/22 15:17	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/10/22 14:00	11/14/22 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				11/10/22 14:00	11/14/22 15:17	1
1,4-Difluorobenzene (Surr)	94		70 - 130				11/10/22 14:00	11/14/22 15:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.2		49.9		mg/Kg			11/14/22 15:10	1

Method: SW846 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		mg/Kg		11/10/22 15:47	11/13/22 00:27	1
Diesel Range Organics (Over C10-C28)	50.2		49.9		mg/Kg		11/10/22 15:47	11/13/22 00:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 15:47	11/13/22 00:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/10/22 15:47	11/13/22 00:27	1
o-Terphenyl	123		70 - 130				11/10/22 15:47	11/13/22 00:27	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.6		5.00		mg/Kg			11/15/22 12:57	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH33A

Lab Sample ID: 880-21411-29

Date Collected: 11/07/22 11:36

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 15:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 15:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 15:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 15:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 15:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	11/10/22 14:00	11/14/22 15:43	1
1,4-Difluorobenzene (Surr)	95		70 - 130	11/10/22 14:00	11/14/22 15:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:10	1

Method: SW846 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		mg/Kg		11/10/22 15:47	11/13/22 00:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 15:47	11/13/22 00:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 15:47	11/13/22 00:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	11/10/22 15:47	11/13/22 00:48	1
o-Terphenyl	101		70 - 130	11/10/22 15:47	11/13/22 00:48	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.6		4.99		mg/Kg			11/15/22 13:02	1

Client Sample ID: BH35A

Lab Sample ID: 880-21411-30

Date Collected: 11/07/22 11:37

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 16:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 16:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 16:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 16:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 16:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	11/10/22 14:00	11/14/22 16:09	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/10/22 14:00	11/14/22 16:09	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH35A

Lab Sample ID: 880-21411-30

Date Collected: 11/07/22 11:37

Matrix: Solid

Date Received: 11/09/22 16:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:10	1

Method: SW846 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		mg/Kg		11/10/22 15:47	11/13/22 01:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 15:47	11/13/22 01:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 15:47	11/13/22 01:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				11/10/22 15:47	11/13/22 01:10	1
o-Terphenyl	102		70 - 130				11/10/22 15:47	11/13/22 01:10	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.7		4.95		mg/Kg			11/15/22 13:07	1

Client Sample ID: BH36A

Lab Sample ID: 880-21411-31

Date Collected: 11/07/22 11:38

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 17:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 17:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 17:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 14:00	11/14/22 17:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 17:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 14:00	11/14/22 17:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				11/10/22 14:00	11/14/22 17:52	1
1,4-Difluorobenzene (Surr)	88		70 - 130				11/10/22 14:00	11/14/22 17:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:10	1

Method: SW846 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		mg/Kg		11/10/22 15:47	11/13/22 01:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 15:47	11/13/22 01:53	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH36A

Lab Sample ID: 880-21411-31

Date Collected: 11/07/22 11:38

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 15:47	11/13/22 01:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				11/10/22 15:47	11/13/22 01:53	1
o-Terphenyl	126		70 - 130				11/10/22 15:47	11/13/22 01:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.3		4.97		mg/Kg			11/15/22 13:13	1

Client Sample ID: BH37A

Lab Sample ID: 880-21411-32

Date Collected: 11/07/22 11:39

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 18:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 18:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 18:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 18:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 18:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				11/10/22 14:00	11/14/22 18:18	1
1,4-Difluorobenzene (Surr)	98		70 - 130				11/10/22 14:00	11/14/22 18:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 15:10	1

Method: SW846 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		mg/Kg		11/10/22 15:47	11/13/22 02:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 15:47	11/13/22 02:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 15:47	11/13/22 02:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				11/10/22 15:47	11/13/22 02:14	1
o-Terphenyl	117		70 - 130				11/10/22 15:47	11/13/22 02:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.4		5.00		mg/Kg			11/15/22 13:29	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH40A

Lab Sample ID: 880-21411-33

Date Collected: 11/07/22 11:40

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 18:44	1
Toluene	0.0491		0.00200		mg/Kg		11/10/22 14:00	11/14/22 18:44	1
Ethylbenzene	0.0550		0.00200		mg/Kg		11/10/22 14:00	11/14/22 18:44	1
m-Xylene & p-Xylene	0.120		0.00400		mg/Kg		11/10/22 14:00	11/14/22 18:44	1
o-Xylene	0.0685		0.00200		mg/Kg		11/10/22 14:00	11/14/22 18:44	1
Xylenes, Total	0.189		0.00400		mg/Kg		11/10/22 14:00	11/14/22 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	11/10/22 14:00	11/14/22 18:44	1
1,4-Difluorobenzene (Surr)	86		70 - 130	11/10/22 14:00	11/14/22 18:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.293		0.00400		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3440		49.9		mg/Kg			11/14/22 15:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	62.6		49.9		mg/Kg		11/10/22 15:47	11/13/22 04:02	1
Diesel Range Organics (Over C10-C28)	3030		49.9		mg/Kg		11/10/22 15:47	11/13/22 04:02	1
Oil Range Organics (Over C28-C36)	346		49.9		mg/Kg		11/10/22 15:47	11/13/22 04:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	11/10/22 15:47	11/13/22 04:02	1
o-Terphenyl	118		70 - 130	11/10/22 15:47	11/13/22 04:02	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.6		4.99		mg/Kg			11/15/22 13:34	1

Client Sample ID: BH41A

Lab Sample ID: 880-21411-34

Date Collected: 11/07/22 11:41

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 19:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 19:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 19:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 14:00	11/14/22 19:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 19:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 14:00	11/14/22 19:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	11/10/22 14:00	11/14/22 19:11	1
1,4-Difluorobenzene (Surr)	88		70 - 130	11/10/22 14:00	11/14/22 19:11	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH41A

Lab Sample ID: 880-21411-34

Date Collected: 11/07/22 11:41

Matrix: Solid

Date Received: 11/09/22 16:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.0		49.9		mg/Kg			11/14/22 15:10	1

Method: SW846 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		mg/Kg		11/10/22 15:47	11/13/22 02:36	1
Diesel Range Organics (Over C10-C28)	54.0		49.9		mg/Kg		11/10/22 15:47	11/13/22 02:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 15:47	11/13/22 02:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/10/22 15:47	11/13/22 02:36	1
o-Terphenyl	122		70 - 130				11/10/22 15:47	11/13/22 02:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.1		5.01		mg/Kg			11/15/22 13:50	1

Client Sample ID: BH42A

Lab Sample ID: 880-21411-35

Date Collected: 11/07/22 11:42

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 19:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 19:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 19:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/22 14:00	11/14/22 19:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 19:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/22 14:00	11/14/22 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				11/10/22 14:00	11/14/22 19:37	1
1,4-Difluorobenzene (Surr)	90		70 - 130				11/10/22 14:00	11/14/22 19:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 15:10	1

Method: SW846 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		mg/Kg		11/10/22 15:47	11/13/22 02:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 15:47	11/13/22 02:57	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH42A

Lab Sample ID: 880-21411-35

Date Collected: 11/07/22 11:42

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 15:47	11/13/22 02:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				11/10/22 15:47	11/13/22 02:57	1
o-Terphenyl	121		70 - 130				11/10/22 15:47	11/13/22 02:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.0		4.98		mg/Kg			11/15/22 13:56	1

Client Sample ID: SW8

Lab Sample ID: 880-21411-36

Date Collected: 11/07/22 11:43

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 20:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 20:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 20:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 20:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 20:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130				11/10/22 14:00	11/14/22 20:03	1
1,4-Difluorobenzene (Surr)	81		70 - 130				11/10/22 14:00	11/14/22 20:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.1		49.9		mg/Kg			11/11/22 09:37	1

Method: SW846 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		mg/Kg		11/10/22 08:45	11/11/22 05:21	1
Diesel Range Organics (Over C10-C28)	50.1		49.9		mg/Kg		11/10/22 08:45	11/11/22 05:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 08:45	11/11/22 05:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				11/10/22 08:45	11/11/22 05:21	1
o-Terphenyl	86		70 - 130				11/10/22 08:45	11/11/22 05:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.1		4.99		mg/Kg			11/15/22 14:01	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: SW9

Lab Sample ID: 880-21411-37

Date Collected: 11/07/22 11:44

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 20:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 20:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 20:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 20:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 20:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	11/10/22 14:00	11/14/22 20:30	1
1,4-Difluorobenzene (Surr)	103		70 - 130	11/10/22 14:00	11/14/22 20:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/11/22 09:37	1

Method: SW846 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		mg/Kg		11/10/22 08:45	11/11/22 05:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 08:45	11/11/22 05:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 08:45	11/11/22 05:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	55	S1-	70 - 130	11/10/22 08:45	11/11/22 05:43	1
o-Terphenyl	58	S1-	70 - 130	11/10/22 08:45	11/11/22 05:43	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.4		4.95		mg/Kg			11/15/22 14:06	1

Client Sample ID: SW10

Lab Sample ID: 880-21411-38

Date Collected: 11/07/22 11:45

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 20:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 20:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 20:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/22 14:00	11/14/22 20:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/22 14:00	11/14/22 20:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/22 14:00	11/14/22 20:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	11/10/22 14:00	11/14/22 20:56	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/10/22 14:00	11/14/22 20:56	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: SW10

Lab Sample ID: 880-21411-38

Date Collected: 11/07/22 11:45

Matrix: Solid

Date Received: 11/09/22 16:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/11/22 09:37	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/10/22 08:45	11/11/22 06:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/10/22 08:45	11/11/22 06:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/10/22 08:45	11/11/22 06:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				11/10/22 08:45	11/11/22 06:05	1
o-Terphenyl	72		70 - 130				11/10/22 08:45	11/11/22 06:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.8		4.97		mg/Kg			11/15/22 14:12	1

Client Sample ID: SW11

Lab Sample ID: 880-21411-39

Date Collected: 11/07/22 11:46

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:00	11/14/22 21:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:00	11/14/22 21:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:00	11/14/22 21:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/10/22 14:00	11/14/22 21:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/22 14:00	11/14/22 21:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/10/22 14:00	11/14/22 21:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				11/10/22 14:00	11/14/22 21:22	1
1,4-Difluorobenzene (Surr)	96		70 - 130				11/10/22 14:00	11/14/22 21:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/14/22 09:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/10/22 08:48	11/11/22 19:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/10/22 08:48	11/11/22 19:25	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: SW11

Lab Sample ID: 880-21411-39

Date Collected: 11/07/22 11:46

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 08:48	11/11/22 19:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				11/10/22 08:48	11/11/22 19:25	1
o-Terphenyl	81		70 - 130				11/10/22 08:48	11/11/22 19:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.7		5.00		mg/Kg			11/15/22 14:17	1

Client Sample ID: SW12

Lab Sample ID: 880-21411-40

Date Collected: 11/07/22 11:47

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 21:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 21:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 21:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 21:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/22 14:00	11/14/22 21:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/22 14:00	11/14/22 21:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				11/10/22 14:00	11/14/22 21:48	1
1,4-Difluorobenzene (Surr)	94		70 - 130				11/10/22 14:00	11/14/22 21:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 11:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/14/22 09:30	1

Method: SW846 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 *1	50.0		mg/Kg		11/10/22 08:48	11/11/22 19:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 08:48	11/11/22 19:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 08:48	11/11/22 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				11/10/22 08:48	11/11/22 19:45	1
o-Terphenyl	87		70 - 130				11/10/22 08:48	11/11/22 19:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.2		4.95		mg/Kg			11/15/22 14:22	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: SW13

Lab Sample ID: 880-21411-41

Date Collected: 11/07/22 11:48

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/15/22 03:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/15/22 03:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/15/22 03:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/14/22 10:31	11/15/22 03:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/15/22 03:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/22 10:31	11/15/22 03:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	11/14/22 10:31	11/15/22 03:16	1
1,4-Difluorobenzene (Surr)	92		70 - 130	11/14/22 10:31	11/15/22 03:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/15/22 10:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	221		49.9		mg/Kg			11/14/22 13:38	1

Method: SW846 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		mg/Kg		11/11/22 10:23	11/14/22 04:36	1
Diesel Range Organics (Over C10-C28)	90.2		49.9		mg/Kg		11/11/22 10:23	11/14/22 04:36	1
Oil Range Organics (Over C28-C36)	131		49.9		mg/Kg		11/11/22 10:23	11/14/22 04:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	11/11/22 10:23	11/14/22 04:36	1
o-Terphenyl	105		70 - 130	11/11/22 10:23	11/14/22 04:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.5		5.02		mg/Kg			11/16/22 07:06	1

Client Sample ID: SW14

Lab Sample ID: 880-21411-42

Date Collected: 11/07/22 11:49

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/14/22 10:31	11/15/22 03:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/22 10:31	11/15/22 03:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/22 10:31	11/15/22 03:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/14/22 10:31	11/15/22 03:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/22 10:31	11/15/22 03:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/22 10:31	11/15/22 03:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	11/14/22 10:31	11/15/22 03:36	1
1,4-Difluorobenzene (Surr)	91		70 - 130	11/14/22 10:31	11/15/22 03:36	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: SW14

Lab Sample ID: 880-21411-42

Date Collected: 11/07/22 11:49

Matrix: Solid

Date Received: 11/09/22 16:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/15/22 10:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/14/22 13:38	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/11/22 10:23	11/14/22 04:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/11/22 10:23	11/14/22 04:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/11/22 10:23	11/14/22 04:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				11/11/22 10:23	11/14/22 04:56	1
o-Terphenyl	98		70 - 130				11/11/22 10:23	11/14/22 04:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		5.00		mg/Kg			11/16/22 07:11	1

Client Sample ID: SW1A

Lab Sample ID: 880-21411-43

Date Collected: 11/07/22 11:00

Matrix: Solid

Date Received: 11/09/22 16:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/15/22 03:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/15/22 03:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/15/22 03:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/14/22 10:31	11/15/22 03:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/15/22 03:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/14/22 10:31	11/15/22 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				11/14/22 10:31	11/15/22 03:57	1
1,4-Difluorobenzene (Surr)	75		70 - 130				11/14/22 10:31	11/15/22 03:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/15/22 10:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	72.1		49.9		mg/Kg			11/14/22 15:10	1

Method: SW846 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		mg/Kg		11/10/22 15:47	11/13/22 03:19	1
Diesel Range Organics (Over C10-C28)	72.1		49.9		mg/Kg		11/10/22 15:47	11/13/22 03:19	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: SW1A
Date Collected: 11/07/22 11:00
Date Received: 11/09/22 16:41

Lab Sample ID: 880-21411-43
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/10/22 15:47	11/13/22 03:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				11/10/22 15:47	11/13/22 03:19	1
o-Terphenyl	110		70 - 130				11/10/22 15:47	11/13/22 03:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.2		4.98		mg/Kg			11/16/22 07:17	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Method: 8021B - Volatile Organic Compounds (GC)**Matrix: Solid****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-21411-1	BH02A	97	106
880-21411-1 MS	BH02A	78	103
880-21411-1 MSD	BH02A	90	100
880-21411-2	BH03A	104	108
880-21411-3	BH04A	106	112
880-21411-4	BH05A	101	117
880-21411-5	BH06A	105	113
880-21411-6	BH07A	103	115
880-21411-7	BH08A	105	115
880-21411-8	BH09A	111	113
880-21411-9	BH10A	112	109
880-21411-10	BH11A	110	114
880-21411-11	BH12A	107	98
880-21411-12	BH13A	106	120
880-21411-13	BH14A	115	108
880-21411-14	BH15A	114	73
880-21411-15	BH16A	99	113
880-21411-16	BH17A	110	101
880-21411-17	BH18A	119	102
880-21411-18	BH19A	109	108
880-21411-19	BH20A	108	117
880-21411-20	BH21A	100	115
880-21411-21	BH22A	96	108
880-21411-21 MS	BH22A	89	94
880-21411-21 MSD	BH22A	96	100
880-21411-22	BH23A	103	93
880-21411-23	BH24A	101	99
880-21411-24	BH25A	98	100
880-21411-25	BH26A	93	95
880-21411-26	BH27A	100	95
880-21411-27	BH31A	97	92
880-21411-28	BH32A	105	94
880-21411-29	BH33A	93	95
880-21411-30	BH35A	108	100
880-21411-31	BH36A	89	88
880-21411-32	BH37A	94	98
880-21411-33	BH40A	95	86
880-21411-34	BH41A	95	88
880-21411-35	BH42A	92	90
880-21411-36	SW8	75	81
880-21411-37	SW9	114	103
880-21411-38	SW10	103	94
880-21411-39	SW11	101	96
880-21411-40	SW12	98	94
880-21411-41	SW13	94	92
880-21411-42	SW14	91	91
880-21411-43	SW1A	84	75
LCS 880-39250/1-A	Lab Control Sample	78	106
LCS 880-39251/1-A	Lab Control Sample	91	93

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Surrogate Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-39423/1-A	Lab Control Sample	105	111
LCSD 880-39250/2-A	Lab Control Sample Dup	75	109
LCSD 880-39251/2-A	Lab Control Sample Dup	109	104
LCSD 880-39423/2-A	Lab Control Sample Dup	96	118
MB 880-39140/5-A	Method Blank	89	100
MB 880-39250/5-A	Method Blank	97	98
MB 880-39251/5-A	Method Blank	61 S1-	98
MB 880-39392/8	Method Blank	84	100
MB 880-39423/5-A	Method Blank	88	98
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-21411-1	BH02A	77	80
880-21411-1 MS	BH02A	60 S1-	58 S1-
880-21411-1 MSD	BH02A	62 S1-	60 S1-
880-21411-2	BH03A	69 S1-	75
880-21411-3	BH04A	50 S1-	52 S1-
880-21411-4	BH05A	46 S1-	49 S1-
880-21411-5	BH06A	80	82
880-21411-6	BH07A	72	70
880-21411-7	BH08A	40 S1-	37 S1-
880-21411-8	BH09A	44 S1-	43 S1-
880-21411-9	BH10A	74	71
880-21411-10	BH11A	37 S1-	28 S1-
880-21411-11	BH12A	33 S1-	28 S1-
880-21411-12	BH13A	56 S1-	58 S1-
880-21411-13	BH14A	52 S1-	54 S1-
880-21411-14	BH15A	27 S1-	22 S1-
880-21411-15	BH16A	47 S1-	48 S1-
880-21411-16	BH17A	62 S1-	64 S1-
880-21411-17	BH18A	40 S1-	40 S1-
880-21411-18	BH19A	59 S1-	64 S1-
880-21411-19	BH20A	48 S1-	47 S1-
880-21411-20	BH21A	54 S1-	48 S1-
880-21411-21	BH22A	59 S1-	61 S1-
880-21411-21 MS	BH22A	76	71
880-21411-21 MSD	BH22A	51 S1-	46 S1-
880-21411-22	BH23A	87	92
880-21411-23	BH24A	111	119
880-21411-24	BH25A	51 S1-	50 S1-
880-21411-25	BH26A	94	102
880-21411-26	BH27A	103	111
880-21411-27	BH31A	95	104

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Surrogate Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)**Matrix: Solid****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-21411-28	BH32A	110	123
880-21411-29	BH33A	90	101
880-21411-30	BH35A	90	102
880-21411-31	BH36A	112	126
880-21411-32	BH37A	104	117
880-21411-33	BH40A	111	118
880-21411-34	BH41A	110	122
880-21411-35	BH42A	109	121
880-21411-36	SW8	78	86
880-21411-37	SW9	55 S1-	58 S1-
880-21411-38	SW10	67 S1-	72
880-21411-39	SW11	86	81
880-21411-40	SW12	89	87
880-21411-41	SW13	97	105
880-21411-42	SW14	93	98
880-21411-43	SW1A	102	110
LCS 880-39171/2-A	Lab Control Sample	100	113
LCS 880-39172/2-A	Lab Control Sample	94	97
LCS 880-39230/2-A	Lab Control Sample	96	118
LCS 880-39262/2-A	Lab Control Sample	88	105
LCS 880-39314/2-A	Lab Control Sample	104	110
LCSD 880-39171/3-A	Lab Control Sample Dup	101	114
LCSD 880-39172/3-A	Lab Control Sample Dup	107	109
LCSD 880-39230/3-A	Lab Control Sample Dup	81	100
LCSD 880-39262/3-A	Lab Control Sample Dup	102	121
LCSD 880-39314/3-A	Lab Control Sample Dup	105	112
MB 880-39171/1-A	Method Blank	116	133 S1+
MB 880-39172/1-A	Method Blank	119	134 S1+
MB 880-39230/1-A	Method Blank	113	144 S1+
MB 880-39262/1-A	Method Blank	137 S1+	160 S1+
MB 880-39314/1-A	Method Blank	133 S1+	156 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-39140/5-A

Matrix: Solid

Analysis Batch: 39369

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:36	11/12/22 21:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:36	11/12/22 21:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:36	11/12/22 21:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/09/22 15:36	11/12/22 21:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/09/22 15:36	11/12/22 21:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/09/22 15:36	11/12/22 21:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	11/09/22 15:36	11/12/22 21:52	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/09/22 15:36	11/12/22 21:52	1

Lab Sample ID: MB 880-39250/5-A

Matrix: Solid

Analysis Batch: 39369

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 08:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 08:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 08:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/22 13:55	11/13/22 08:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 13:55	11/13/22 08:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/22 13:55	11/13/22 08:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	11/10/22 13:55	11/13/22 08:36	1
1,4-Difluorobenzene (Surr)	98		70 - 130	11/10/22 13:55	11/13/22 08:36	1

Lab Sample ID: LCS 880-39250/1-A

Matrix: Solid

Analysis Batch: 39369

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09759		mg/Kg		98	70 - 130
Toluene	0.100	0.09472		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.08482		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1536		mg/Kg		77	70 - 130
o-Xylene	0.100	0.08863		mg/Kg		89	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	78		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-39250/2-A

Matrix: Solid

Analysis Batch: 39369

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39250

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09487		mg/Kg		95	70 - 130	3	35

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

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

Lab Sample ID: LCSD 880-39250/2-A

Matrix: Solid

Analysis Batch: 39369

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39250

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09046		mg/Kg		90	70 - 130	5	35
Ethylbenzene	0.100	0.08064		mg/Kg		81	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1446		mg/Kg		72	70 - 130	6	35
o-Xylene	0.100	0.08310		mg/Kg		83	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	75		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-21411-1 MS

Matrix: Solid

Analysis Batch: 39369

Client Sample ID: BH02A

Prep Type: Total/NA

Prep Batch: 39250

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.08643		mg/Kg		87	70 - 130
Toluene	<0.00199	U	0.0996	0.08554		mg/Kg		86	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.07724		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1415		mg/Kg		71	70 - 130
o-Xylene	<0.00199	U	0.0996	0.08460		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	78		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-21411-1 MSD

Matrix: Solid

Analysis Batch: 39369

Client Sample ID: BH02A

Prep Type: Total/NA

Prep Batch: 39250

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0992	0.08671		mg/Kg		87	70 - 130	0	35
Toluene	<0.00199	U	0.0992	0.08712		mg/Kg		88	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.0992	0.08223		mg/Kg		83	70 - 130	6	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1588		mg/Kg		80	70 - 130	12	35
o-Xylene	<0.00199	U	0.0992	0.09683		mg/Kg		98	70 - 130	13	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-39251/5-A

Matrix: Solid

Analysis Batch: 39391

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39251

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 11:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 11:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 11:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/22 14:00	11/14/22 11:45	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

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

Lab Sample ID: MB 880-39251/5-A

Matrix: Solid

Analysis Batch: 39391

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39251

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/22 14:00	11/14/22 11:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/22 14:00	11/14/22 11:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	61	S1-	70 - 130	11/10/22 14:00	11/14/22 11:45	1
1,4-Difluorobenzene (Surr)	98		70 - 130	11/10/22 14:00	11/14/22 11:45	1

Lab Sample ID: LCS 880-39251/1-A

Matrix: Solid

Analysis Batch: 39391

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39251

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08637		mg/Kg		86	70 - 130
Toluene	0.100	0.1061		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.09901		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2219		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1076		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-39251/2-A

Matrix: Solid

Analysis Batch: 39391

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39251

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1044		mg/Kg		104	70 - 130	19	35
Toluene	0.100	0.1070		mg/Kg		107	70 - 130	1	35
Ethylbenzene	0.100	0.1105		mg/Kg		110	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2503		mg/Kg		125	70 - 130	12	35
o-Xylene	0.100	0.1257		mg/Kg		126	70 - 130	16	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-21411-21 MS

Matrix: Solid

Analysis Batch: 39391

Client Sample ID: BH22A

Prep Type: Total/NA

Prep Batch: 39251

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.08573		mg/Kg		85	70 - 130
Toluene	<0.00201	U	0.101	0.1025		mg/Kg		102	70 - 130
Ethylbenzene	<0.00201	U	0.101	0.09534		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.2117		mg/Kg		105	70 - 130
o-Xylene	<0.00201	U	0.101	0.1049		mg/Kg		104	70 - 130

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

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

Lab Sample ID: 880-21411-21 MS

Matrix: Solid

Analysis Batch: 39391

Client Sample ID: BH22A

Prep Type: Total/NA

Prep Batch: 39251

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-21411-21 MSD

Matrix: Solid

Analysis Batch: 39391

Client Sample ID: BH22A

Prep Type: Total/NA

Prep Batch: 39251

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.09295		mg/Kg		93	70 - 130	8	35
Toluene	<0.00201	U	0.0996	0.1092		mg/Kg		110	70 - 130	6	35
Ethylbenzene	<0.00201	U	0.0996	0.09967		mg/Kg		100	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.2192		mg/Kg		110	70 - 130	3	35
o-Xylene	<0.00201	U	0.0996	0.1091		mg/Kg		110	70 - 130	4	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-39392/8

Matrix: Solid

Analysis Batch: 39392

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			11/14/22 10:51	1
Toluene	<0.00200	U	0.00200		mg/Kg			11/14/22 10:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			11/14/22 10:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			11/14/22 10:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			11/14/22 10:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			11/14/22 10:51	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	84		70 - 130		11/14/22 10:51	1			
1,4-Difluorobenzene (Surr)	100		70 - 130		11/14/22 10:51	1			

Lab Sample ID: MB 880-39423/5-A

Matrix: Solid

Analysis Batch: 39392

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/14/22 21:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/14/22 21:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/14/22 21:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/14/22 10:31	11/14/22 21:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/22 10:31	11/14/22 21:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/14/22 10:31	11/14/22 21:27	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

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

Lab Sample ID: MB 880-39423/5-A

Matrix: Solid

Analysis Batch: 39392

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39423

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	11/14/22 10:31	11/14/22 21:27	1
1,4-Difluorobenzene (Surr)	98		70 - 130	11/14/22 10:31	11/14/22 21:27	1

Lab Sample ID: LCS 880-39423/1-A

Matrix: Solid

Analysis Batch: 39392

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09588		mg/Kg		96	70 - 130
Toluene	0.100	0.08789		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09592		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1955		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09675		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-39423/2-A

Matrix: Solid

Analysis Batch: 39392

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39423

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1146		mg/Kg		115	70 - 130	18	35
Toluene	0.100	0.09656		mg/Kg		97	70 - 130	9	35
Ethylbenzene	0.100	0.09341		mg/Kg		93	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1911		mg/Kg		96	70 - 130	2	35
o-Xylene	0.100	0.09485		mg/Kg		95	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

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

Lab Sample ID: MB 880-39171/1-A

Matrix: Solid

Analysis Batch: 39162

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39171

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 08:45	11/10/22 21:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 08:45	11/10/22 21:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 08:45	11/10/22 21:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	11/10/22 08:45	11/10/22 21:02	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

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

Lab Sample ID: MB 880-39171/1-A

Matrix: Solid

Analysis Batch: 39162

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39171

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
<i>o</i> -Terphenyl	133	S1+	70 - 130	11/10/22 08:45	11/10/22 21:02	1			

Lab Sample ID: LCS 880-39171/2-A

Matrix: Solid

Analysis Batch: 39162

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39171

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	969.2		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	863.4		mg/Kg		86	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	100		70 - 130						
<i>o</i> -Terphenyl	113		70 - 130						

Lab Sample ID: LCSD 880-39171/3-A

Matrix: Solid

Analysis Batch: 39162

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39171

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	979.5		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	897.1		mg/Kg		90	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	101		70 - 130						
<i>o</i> -Terphenyl	114		70 - 130						

Lab Sample ID: MB 880-39172/1-A

Matrix: Solid

Analysis Batch: 39269

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39172

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 08:48	11/11/22 09:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 08:48	11/11/22 09:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 08:48	11/11/22 09:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	119		70 - 130	11/10/22 08:48	11/11/22 09:30	1			
<i>o</i> -Terphenyl	134	S1+	70 - 130	11/10/22 08:48	11/11/22 09:30	1			

Eurofins Midland

QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

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

Lab Sample ID: LCS 880-39172/2-A

Matrix: Solid

Analysis Batch: 39269

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39172

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	815.5		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	846.7		mg/Kg		85	70 - 130		

Lab Sample ID: LCSD 880-39172/3-A

Matrix: Solid

Analysis Batch: 39269

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39172

Appendix C: Data											
Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier			Limits	Limits	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1003	*1	mg/Kg		100	70 - 130	21	20
Diesel Range Organics (Over C10-C28)			1000	950.2		mg/Kg		95	70 - 130	12	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	109		70 - 130								

Lab Sample ID: MB 880-39230/1-A

Matrix: Solid

Analysis Batch: 39377

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39230

Analyte	MB	MB	RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 09:13		1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 09:13		1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 11:57	11/13/22 09:13		1	
Surrogate	MB	MB	Limits				Prepared		Analyzed		Dil Fac
%Recovery	Qualifier										
1-Chlorooctane	113		70 - 130				11/10/22 11:57	11/13/22 09:13		1	
o-Terphenyl	144	S1+	70 - 130				11/10/22 11:57	11/13/22 09:13		1	

Lab Sample ID: LCS 880-39230/2-A

Matrix: Solid

Analysis Batch: 39377

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39230

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1014		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	867.2		mg/Kg		87	70 - 130

Eurofins Midland

QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

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

Lab Sample ID: LCS 880-39230/2-A

Matrix: Solid

Analysis Batch: 39377

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39230

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-39230/3-A

Matrix: Solid

Analysis Batch: 39377

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39230

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	835.0		mg/Kg		83	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	1000	729.7		mg/Kg		73	70 - 130	17	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 880-21411-1 MS

Matrix: Solid

Analysis Batch: 39377

Client Sample ID: BH02A

Prep Type: Total/NA

Prep Batch: 39230

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	997	946.1		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	684.8	F1	mg/Kg		67	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	60	S1-	70 - 130
o-Terphenyl	58	S1-	70 - 130

Lab Sample ID: 880-21411-1 MSD

Matrix: Solid

Analysis Batch: 39377

Client Sample ID: BH02A

Prep Type: Total/NA

Prep Batch: 39230

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	999	1183	F2	mg/Kg		118	70 - 130	22	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	728.5		mg/Kg		71	70 - 130	6	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	62	S1-	70 - 130
o-Terphenyl	60	S1-	70 - 130

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

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

Lab Sample ID: MB 880-39262/1-A

Matrix: Solid

Analysis Batch: 39366

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/10/22 15:47	11/12/22 20:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/10/22 15:47	11/12/22 20:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/10/22 15:47	11/12/22 20:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	11/10/22 15:47	11/12/22 20:03	1
o-Terphenyl	160	S1+	70 - 130	11/10/22 15:47	11/12/22 20:03	1

Lab Sample ID: LCS 880-39262/2-A

Matrix: Solid

Analysis Batch: 39366

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	879.1		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	811.2		mg/Kg		81	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-39262/3-A

Matrix: Solid

Analysis Batch: 39366

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39262

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1050		mg/Kg		105	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	922.4		mg/Kg		92	70 - 130	13	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: 880-21411-21 MS

Matrix: Solid

Analysis Batch: 39366

Client Sample ID: BH22A

Prep Type: Total/NA

Prep Batch: 39262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	997	858.8		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2	997	946.8		mg/Kg		93	70 - 130

Eurofins Midland

QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

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

Lab Sample ID: 880-21411-21 MS

Matrix: Solid

Analysis Batch: 39366

Client Sample ID: BH22A

Prep Type: Total/NA

Prep Batch: 39262

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	76		70 - 130
o-Terphenyl	71		70 - 130

Lab Sample ID: 880-21411-21 MSD

Matrix: Solid

Analysis Batch: 39366

Client Sample ID: BH22A

Prep Type: Total/NA

Prep Batch: 39262

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	999	605.9	F1 F2	mg/Kg		59	70 - 130	35	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2	999	634.1	F1 F2	mg/Kg		61	70 - 130	40	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	51	S1-	70 - 130
o-Terphenyl	46	S1-	70 - 130

Lab Sample ID: MB 880-39314/1-A

Matrix: Solid

Analysis Batch: 39373

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 39314

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/22 10:23	11/13/22 20:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/22 10:23	11/13/22 20:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/22 10:23	11/13/22 20:21	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	133	S1+	70 - 130	11/11/22 10:23	11/13/22 20:21	1
o-Terphenyl	156	S1+	70 - 130	11/11/22 10:23	11/13/22 20:21	1

Lab Sample ID: LCS 880-39314/2-A

Matrix: Solid

Analysis Batch: 39373

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 39314

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1018		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1131		mg/Kg		113	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	110		70 - 130

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

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

Lab Sample ID: LCSD 880-39314/3-A

Matrix: Solid

Analysis Batch: 39373

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 39314

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1031		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1133		mg/Kg		113	70 - 130	0	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	112		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-39355/1-A

Matrix: Solid

Analysis Batch: 39566

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/15/22 06:52	1

Lab Sample ID: LCS 880-39355/2-A

Matrix: Solid

Analysis Batch: 39566

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	263.8		mg/Kg		106	90 - 110		

Lab Sample ID: LCSD 880-39355/3-A

Matrix: Solid

Analysis Batch: 39566

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	273.7		mg/Kg		109	90 - 110	4	20

Lab Sample ID: 880-21411-1 MS

Matrix: Solid

Analysis Batch: 39566

Client Sample ID: BH02A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	119		249	350.6		mg/Kg		93	90 - 110		

Lab Sample ID: 880-21411-1 MSD

Matrix: Solid

Analysis Batch: 39566

Client Sample ID: BH02A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	119		249	379.2		mg/Kg		105	90 - 110	8	20

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-21411-11 MS

Matrix: Solid

Analysis Batch: 39566

Client Sample ID: BH12A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	73.5		252	328.0		mg/Kg		101	90 - 110	

Lab Sample ID: 880-21411-11 MSD

Matrix: Solid

Analysis Batch: 39566

Client Sample ID: BH12A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	73.5		252	349.1		mg/Kg		110	90 - 110	6	20

Lab Sample ID: MB 880-39356/1-A

Matrix: Solid

Analysis Batch: 39616

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/15/22 11:47	1

Lab Sample ID: LCS 880-39356/2-A

Matrix: Solid

Analysis Batch: 39616

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	250	255.5		mg/Kg		102	90 - 110	

Lab Sample ID: LCSD 880-39356/3-A

Matrix: Solid

Analysis Batch: 39616

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.0		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-21411-21 MS

Matrix: Solid

Analysis Batch: 39616

Client Sample ID: BH22A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	48.3		250	293.5		mg/Kg		98	90 - 110	

Lab Sample ID: 880-21411-21 MSD

Matrix: Solid

Analysis Batch: 39616

Client Sample ID: BH22A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	48.3		250	291.0		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-21411-31 MS

Matrix: Solid

Analysis Batch: 39616

Client Sample ID: BH36A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	25.3		249	273.1		mg/Kg		100	90 - 110	

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-21411-31 MSD

Matrix: Solid

Analysis Batch: 39616

Client Sample ID: BH36A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	25.3		249	294.0		mg/Kg		108	90 - 110	7	20

Lab Sample ID: MB 880-39450/1-A

Matrix: Solid

Analysis Batch: 39643

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/16/22 04:44	1

Lab Sample ID: LCS 880-39450/2-A

Matrix: Solid

Analysis Batch: 39643

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	267.7		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-39450/3-A

Matrix: Solid

Analysis Batch: 39643

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	266.4		mg/Kg		107	90 - 110	0	20

QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

GC VOA

Prep Batch: 39140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39140/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 39250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-1	BH02A	Total/NA	Solid	5035	
880-21411-2	BH03A	Total/NA	Solid	5035	
880-21411-3	BH04A	Total/NA	Solid	5035	
880-21411-4	BH05A	Total/NA	Solid	5035	
880-21411-5	BH06A	Total/NA	Solid	5035	
880-21411-6	BH07A	Total/NA	Solid	5035	
880-21411-7	BH08A	Total/NA	Solid	5035	
880-21411-8	BH09A	Total/NA	Solid	5035	
880-21411-9	BH10A	Total/NA	Solid	5035	
880-21411-10	BH11A	Total/NA	Solid	5035	
880-21411-11	BH12A	Total/NA	Solid	5035	
880-21411-12	BH13A	Total/NA	Solid	5035	
880-21411-13	BH14A	Total/NA	Solid	5035	
880-21411-14	BH15A	Total/NA	Solid	5035	
880-21411-15	BH16A	Total/NA	Solid	5035	
880-21411-16	BH17A	Total/NA	Solid	5035	
880-21411-17	BH18A	Total/NA	Solid	5035	
880-21411-18	BH19A	Total/NA	Solid	5035	
880-21411-19	BH20A	Total/NA	Solid	5035	
880-21411-20	BH21A	Total/NA	Solid	5035	
MB 880-39250/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39250/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39250/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21411-1 MS	BH02A	Total/NA	Solid	5035	
880-21411-1 MSD	BH02A	Total/NA	Solid	5035	

Prep Batch: 39251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-21	BH22A	Total/NA	Solid	5035	
880-21411-22	BH23A	Total/NA	Solid	5035	
880-21411-23	BH24A	Total/NA	Solid	5035	
880-21411-24	BH25A	Total/NA	Solid	5035	
880-21411-25	BH26A	Total/NA	Solid	5035	
880-21411-26	BH27A	Total/NA	Solid	5035	
880-21411-27	BH31A	Total/NA	Solid	5035	
880-21411-28	BH32A	Total/NA	Solid	5035	
880-21411-29	BH33A	Total/NA	Solid	5035	
880-21411-30	BH35A	Total/NA	Solid	5035	
880-21411-31	BH36A	Total/NA	Solid	5035	
880-21411-32	BH37A	Total/NA	Solid	5035	
880-21411-33	BH40A	Total/NA	Solid	5035	
880-21411-34	BH41A	Total/NA	Solid	5035	
880-21411-35	BH42A	Total/NA	Solid	5035	
880-21411-36	SW8	Total/NA	Solid	5035	
880-21411-37	SW9	Total/NA	Solid	5035	
880-21411-38	SW10	Total/NA	Solid	5035	
880-21411-39	SW11	Total/NA	Solid	5035	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

GC VOA (Continued)

Prep Batch: 39251 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-40	SW12	Total/NA	Solid	5035	
MB 880-39251/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39251/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39251/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21411-21 MS	BH22A	Total/NA	Solid	5035	
880-21411-21 MSD	BH22A	Total/NA	Solid	5035	

Analysis Batch: 39369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-1	BH02A	Total/NA	Solid	8021B	39250
880-21411-2	BH03A	Total/NA	Solid	8021B	39250
880-21411-3	BH04A	Total/NA	Solid	8021B	39250
880-21411-4	BH05A	Total/NA	Solid	8021B	39250
880-21411-5	BH06A	Total/NA	Solid	8021B	39250
880-21411-6	BH07A	Total/NA	Solid	8021B	39250
880-21411-7	BH08A	Total/NA	Solid	8021B	39250
880-21411-8	BH09A	Total/NA	Solid	8021B	39250
880-21411-9	BH10A	Total/NA	Solid	8021B	39250
880-21411-10	BH11A	Total/NA	Solid	8021B	39250
880-21411-11	BH12A	Total/NA	Solid	8021B	39250
880-21411-12	BH13A	Total/NA	Solid	8021B	39250
880-21411-13	BH14A	Total/NA	Solid	8021B	39250
880-21411-14	BH15A	Total/NA	Solid	8021B	39250
880-21411-15	BH16A	Total/NA	Solid	8021B	39250
880-21411-16	BH17A	Total/NA	Solid	8021B	39250
880-21411-17	BH18A	Total/NA	Solid	8021B	39250
880-21411-18	BH19A	Total/NA	Solid	8021B	39250
880-21411-19	BH20A	Total/NA	Solid	8021B	39250
880-21411-20	BH21A	Total/NA	Solid	8021B	39250
MB 880-39140/5-A	Method Blank	Total/NA	Solid	8021B	39140
MB 880-39250/5-A	Method Blank	Total/NA	Solid	8021B	39250
LCS 880-39250/1-A	Lab Control Sample	Total/NA	Solid	8021B	39250
LCSD 880-39250/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39250
880-21411-1 MS	BH02A	Total/NA	Solid	8021B	39250
880-21411-1 MSD	BH02A	Total/NA	Solid	8021B	39250

Analysis Batch: 39391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-21	BH22A	Total/NA	Solid	8021B	39251
880-21411-22	BH23A	Total/NA	Solid	8021B	39251
880-21411-23	BH24A	Total/NA	Solid	8021B	39251
880-21411-24	BH25A	Total/NA	Solid	8021B	39251
880-21411-25	BH26A	Total/NA	Solid	8021B	39251
880-21411-26	BH27A	Total/NA	Solid	8021B	39251
880-21411-27	BH31A	Total/NA	Solid	8021B	39251
880-21411-28	BH32A	Total/NA	Solid	8021B	39251
880-21411-29	BH33A	Total/NA	Solid	8021B	39251
880-21411-30	BH35A	Total/NA	Solid	8021B	39251
880-21411-31	BH36A	Total/NA	Solid	8021B	39251
880-21411-32	BH37A	Total/NA	Solid	8021B	39251
880-21411-33	BH40A	Total/NA	Solid	8021B	39251

Eurofins Midland

QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

GC VOA (Continued)

Analysis Batch: 39391 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-34	BH41A	Total/NA	Solid	8021B	39251
880-21411-35	BH42A	Total/NA	Solid	8021B	39251
880-21411-36	SW8	Total/NA	Solid	8021B	39251
880-21411-37	SW9	Total/NA	Solid	8021B	39251
880-21411-38	SW10	Total/NA	Solid	8021B	39251
880-21411-39	SW11	Total/NA	Solid	8021B	39251
880-21411-40	SW12	Total/NA	Solid	8021B	39251
MB 880-39251/5-A	Method Blank	Total/NA	Solid	8021B	39251
LCS 880-39251/1-A	Lab Control Sample	Total/NA	Solid	8021B	39251
LCSD 880-39251/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39251
880-21411-21 MS	BH22A	Total/NA	Solid	8021B	39251
880-21411-21 MSD	BH22A	Total/NA	Solid	8021B	39251

Analysis Batch: 39392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-41	SW13	Total/NA	Solid	8021B	39423
880-21411-42	SW14	Total/NA	Solid	8021B	39423
880-21411-43	SW1A	Total/NA	Solid	8021B	39423
MB 880-39392/8	Method Blank	Total/NA	Solid	8021B	
MB 880-39423/5-A	Method Blank	Total/NA	Solid	8021B	39423
LCS 880-39423/1-A	Lab Control Sample	Total/NA	Solid	8021B	39423
LCSD 880-39423/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	39423

Prep Batch: 39423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-41	SW13	Total/NA	Solid	5035	
880-21411-42	SW14	Total/NA	Solid	5035	
880-21411-43	SW1A	Total/NA	Solid	5035	
MB 880-39423/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-39423/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-39423/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 39555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-1	BH02A	Total/NA	Solid	Total BTEX	
880-21411-2	BH03A	Total/NA	Solid	Total BTEX	
880-21411-3	BH04A	Total/NA	Solid	Total BTEX	
880-21411-4	BH05A	Total/NA	Solid	Total BTEX	
880-21411-5	BH06A	Total/NA	Solid	Total BTEX	
880-21411-6	BH07A	Total/NA	Solid	Total BTEX	
880-21411-7	BH08A	Total/NA	Solid	Total BTEX	
880-21411-8	BH09A	Total/NA	Solid	Total BTEX	
880-21411-9	BH10A	Total/NA	Solid	Total BTEX	
880-21411-10	BH11A	Total/NA	Solid	Total BTEX	
880-21411-11	BH12A	Total/NA	Solid	Total BTEX	
880-21411-12	BH13A	Total/NA	Solid	Total BTEX	
880-21411-13	BH14A	Total/NA	Solid	Total BTEX	
880-21411-14	BH15A	Total/NA	Solid	Total BTEX	
880-21411-15	BH16A	Total/NA	Solid	Total BTEX	
880-21411-16	BH17A	Total/NA	Solid	Total BTEX	
880-21411-17	BH18A	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

GC VOA (Continued)

Analysis Batch: 39555 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-18	BH19A	Total/NA	Solid	Total BTEX	
880-21411-19	BH20A	Total/NA	Solid	Total BTEX	
880-21411-20	BH21A	Total/NA	Solid	Total BTEX	
880-21411-21	BH22A	Total/NA	Solid	Total BTEX	
880-21411-22	BH23A	Total/NA	Solid	Total BTEX	
880-21411-23	BH24A	Total/NA	Solid	Total BTEX	
880-21411-24	BH25A	Total/NA	Solid	Total BTEX	
880-21411-25	BH26A	Total/NA	Solid	Total BTEX	
880-21411-26	BH27A	Total/NA	Solid	Total BTEX	
880-21411-27	BH31A	Total/NA	Solid	Total BTEX	
880-21411-28	BH32A	Total/NA	Solid	Total BTEX	
880-21411-29	BH33A	Total/NA	Solid	Total BTEX	
880-21411-30	BH35A	Total/NA	Solid	Total BTEX	
880-21411-31	BH36A	Total/NA	Solid	Total BTEX	
880-21411-32	BH37A	Total/NA	Solid	Total BTEX	
880-21411-33	BH40A	Total/NA	Solid	Total BTEX	
880-21411-34	BH41A	Total/NA	Solid	Total BTEX	
880-21411-35	BH42A	Total/NA	Solid	Total BTEX	
880-21411-36	SW8	Total/NA	Solid	Total BTEX	
880-21411-37	SW9	Total/NA	Solid	Total BTEX	
880-21411-38	SW10	Total/NA	Solid	Total BTEX	
880-21411-39	SW11	Total/NA	Solid	Total BTEX	
880-21411-40	SW12	Total/NA	Solid	Total BTEX	
880-21411-41	SW13	Total/NA	Solid	Total BTEX	
880-21411-42	SW14	Total/NA	Solid	Total BTEX	
880-21411-43	SW1A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 39162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-36	SW8	Total/NA	Solid	8015B NM	39171
880-21411-37	SW9	Total/NA	Solid	8015B NM	39171
880-21411-38	SW10	Total/NA	Solid	8015B NM	39171
MB 880-39171/1-A	Method Blank	Total/NA	Solid	8015B NM	39171
LCS 880-39171/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39171
LCSD 880-39171/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39171

Prep Batch: 39171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-36	SW8	Total/NA	Solid	8015NM Prep	
880-21411-37	SW9	Total/NA	Solid	8015NM Prep	
880-21411-38	SW10	Total/NA	Solid	8015NM Prep	
MB 880-39171/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39171/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39171/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 39172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-39	SW11	Total/NA	Solid	8015NM Prep	
880-21411-40	SW12	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

GC Semi VOA (Continued)

Prep Batch: 39172 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-39172/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39172/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39172/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 39230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-1	BH02A	Total/NA	Solid	8015NM Prep	
880-21411-2	BH03A	Total/NA	Solid	8015NM Prep	
880-21411-3	BH04A	Total/NA	Solid	8015NM Prep	
880-21411-4	BH05A	Total/NA	Solid	8015NM Prep	
880-21411-5	BH06A	Total/NA	Solid	8015NM Prep	
880-21411-6	BH07A	Total/NA	Solid	8015NM Prep	
880-21411-7	BH08A	Total/NA	Solid	8015NM Prep	
880-21411-8	BH09A	Total/NA	Solid	8015NM Prep	
880-21411-9	BH10A	Total/NA	Solid	8015NM Prep	
880-21411-10	BH11A	Total/NA	Solid	8015NM Prep	
880-21411-11	BH12A	Total/NA	Solid	8015NM Prep	
880-21411-12	BH13A	Total/NA	Solid	8015NM Prep	
880-21411-13	BH14A	Total/NA	Solid	8015NM Prep	
880-21411-14	BH15A	Total/NA	Solid	8015NM Prep	
880-21411-15	BH16A	Total/NA	Solid	8015NM Prep	
880-21411-16	BH17A	Total/NA	Solid	8015NM Prep	
880-21411-17	BH18A	Total/NA	Solid	8015NM Prep	
880-21411-18	BH19A	Total/NA	Solid	8015NM Prep	
880-21411-19	BH20A	Total/NA	Solid	8015NM Prep	
880-21411-20	BH21A	Total/NA	Solid	8015NM Prep	
MB 880-39230/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39230/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39230/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21411-1 MS	BH02A	Total/NA	Solid	8015NM Prep	
880-21411-1 MSD	BH02A	Total/NA	Solid	8015NM Prep	

Prep Batch: 39262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-21	BH22A	Total/NA	Solid	8015NM Prep	
880-21411-22	BH23A	Total/NA	Solid	8015NM Prep	
880-21411-23	BH24A	Total/NA	Solid	8015NM Prep	
880-21411-24	BH25A	Total/NA	Solid	8015NM Prep	
880-21411-25	BH26A	Total/NA	Solid	8015NM Prep	
880-21411-26	BH27A	Total/NA	Solid	8015NM Prep	
880-21411-27	BH31A	Total/NA	Solid	8015NM Prep	
880-21411-28	BH32A	Total/NA	Solid	8015NM Prep	
880-21411-29	BH33A	Total/NA	Solid	8015NM Prep	
880-21411-30	BH35A	Total/NA	Solid	8015NM Prep	
880-21411-31	BH36A	Total/NA	Solid	8015NM Prep	
880-21411-32	BH37A	Total/NA	Solid	8015NM Prep	
880-21411-33	BH40A	Total/NA	Solid	8015NM Prep	
880-21411-34	BH41A	Total/NA	Solid	8015NM Prep	
880-21411-35	BH42A	Total/NA	Solid	8015NM Prep	
880-21411-43	SW1A	Total/NA	Solid	8015NM Prep	
MB 880-39262/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

GC Semi VOA (Continued)

Prep Batch: 39262 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-39262/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39262/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21411-21 MS	BH22A	Total/NA	Solid	8015NM Prep	
880-21411-21 MSD	BH22A	Total/NA	Solid	8015NM Prep	

Analysis Batch: 39269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-39	SW11	Total/NA	Solid	8015B NM	39172
880-21411-40	SW12	Total/NA	Solid	8015B NM	39172
MB 880-39172/1-A	Method Blank	Total/NA	Solid	8015B NM	39172
LCS 880-39172/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39172
LCSD 880-39172/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39172

Analysis Batch: 39305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-1	BH02A	Total/NA	Solid	8015 NM	
880-21411-2	BH03A	Total/NA	Solid	8015 NM	
880-21411-3	BH04A	Total/NA	Solid	8015 NM	
880-21411-4	BH05A	Total/NA	Solid	8015 NM	
880-21411-5	BH06A	Total/NA	Solid	8015 NM	
880-21411-6	BH07A	Total/NA	Solid	8015 NM	
880-21411-7	BH08A	Total/NA	Solid	8015 NM	
880-21411-8	BH09A	Total/NA	Solid	8015 NM	
880-21411-9	BH10A	Total/NA	Solid	8015 NM	
880-21411-10	BH11A	Total/NA	Solid	8015 NM	
880-21411-11	BH12A	Total/NA	Solid	8015 NM	
880-21411-12	BH13A	Total/NA	Solid	8015 NM	
880-21411-13	BH14A	Total/NA	Solid	8015 NM	
880-21411-14	BH15A	Total/NA	Solid	8015 NM	
880-21411-15	BH16A	Total/NA	Solid	8015 NM	
880-21411-16	BH17A	Total/NA	Solid	8015 NM	
880-21411-17	BH18A	Total/NA	Solid	8015 NM	
880-21411-18	BH19A	Total/NA	Solid	8015 NM	
880-21411-19	BH20A	Total/NA	Solid	8015 NM	
880-21411-20	BH21A	Total/NA	Solid	8015 NM	
880-21411-21	BH22A	Total/NA	Solid	8015 NM	
880-21411-22	BH23A	Total/NA	Solid	8015 NM	
880-21411-23	BH24A	Total/NA	Solid	8015 NM	
880-21411-24	BH25A	Total/NA	Solid	8015 NM	
880-21411-25	BH26A	Total/NA	Solid	8015 NM	
880-21411-26	BH27A	Total/NA	Solid	8015 NM	
880-21411-27	BH31A	Total/NA	Solid	8015 NM	
880-21411-28	BH32A	Total/NA	Solid	8015 NM	
880-21411-29	BH33A	Total/NA	Solid	8015 NM	
880-21411-30	BH35A	Total/NA	Solid	8015 NM	
880-21411-31	BH36A	Total/NA	Solid	8015 NM	
880-21411-32	BH37A	Total/NA	Solid	8015 NM	
880-21411-33	BH40A	Total/NA	Solid	8015 NM	
880-21411-34	BH41A	Total/NA	Solid	8015 NM	
880-21411-35	BH42A	Total/NA	Solid	8015 NM	
880-21411-36	SW8	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

GC Semi VOA (Continued)

Analysis Batch: 39305 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-37	SW9	Total/NA	Solid	8015 NM	
880-21411-38	SW10	Total/NA	Solid	8015 NM	
880-21411-39	SW11	Total/NA	Solid	8015 NM	
880-21411-40	SW12	Total/NA	Solid	8015 NM	
880-21411-41	SW13	Total/NA	Solid	8015 NM	
880-21411-42	SW14	Total/NA	Solid	8015 NM	
880-21411-43	SW1A	Total/NA	Solid	8015 NM	

Prep Batch: 39314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-41	SW13	Total/NA	Solid	8015NM Prep	
880-21411-42	SW14	Total/NA	Solid	8015NM Prep	
MB 880-39314/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-39314/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-39314/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 39366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-21	BH22A	Total/NA	Solid	8015B NM	39262
880-21411-22	BH23A	Total/NA	Solid	8015B NM	39262
880-21411-23	BH24A	Total/NA	Solid	8015B NM	39262
880-21411-24	BH25A	Total/NA	Solid	8015B NM	39262
880-21411-25	BH26A	Total/NA	Solid	8015B NM	39262
880-21411-26	BH27A	Total/NA	Solid	8015B NM	39262
880-21411-27	BH31A	Total/NA	Solid	8015B NM	39262
880-21411-28	BH32A	Total/NA	Solid	8015B NM	39262
880-21411-29	BH33A	Total/NA	Solid	8015B NM	39262
880-21411-30	BH35A	Total/NA	Solid	8015B NM	39262
880-21411-31	BH36A	Total/NA	Solid	8015B NM	39262
880-21411-32	BH37A	Total/NA	Solid	8015B NM	39262
880-21411-33	BH40A	Total/NA	Solid	8015B NM	39262
880-21411-34	BH41A	Total/NA	Solid	8015B NM	39262
880-21411-35	BH42A	Total/NA	Solid	8015B NM	39262
880-21411-43	SW1A	Total/NA	Solid	8015B NM	39262
MB 880-39262/1-A	Method Blank	Total/NA	Solid	8015B NM	39262
LCS 880-39262/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39262
LCSD 880-39262/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39262
880-21411-21 MS	BH22A	Total/NA	Solid	8015B NM	39262
880-21411-21 MSD	BH22A	Total/NA	Solid	8015B NM	39262

Analysis Batch: 39373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-41	SW13	Total/NA	Solid	8015B NM	39314
880-21411-42	SW14	Total/NA	Solid	8015B NM	39314
MB 880-39314/1-A	Method Blank	Total/NA	Solid	8015B NM	39314
LCS 880-39314/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39314
LCSD 880-39314/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39314

Analysis Batch: 39377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-1	BH02A	Total/NA	Solid	8015B NM	39230

Eurofins Midland

QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

GC Semi VOA (Continued)

Analysis Batch: 39377 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-2	BH03A	Total/NA	Solid	8015B NM	39230
880-21411-3	BH04A	Total/NA	Solid	8015B NM	39230
880-21411-4	BH05A	Total/NA	Solid	8015B NM	39230
880-21411-5	BH06A	Total/NA	Solid	8015B NM	39230
880-21411-6	BH07A	Total/NA	Solid	8015B NM	39230
880-21411-7	BH08A	Total/NA	Solid	8015B NM	39230
880-21411-8	BH09A	Total/NA	Solid	8015B NM	39230
880-21411-9	BH10A	Total/NA	Solid	8015B NM	39230
880-21411-10	BH11A	Total/NA	Solid	8015B NM	39230
880-21411-11	BH12A	Total/NA	Solid	8015B NM	39230
880-21411-12	BH13A	Total/NA	Solid	8015B NM	39230
880-21411-13	BH14A	Total/NA	Solid	8015B NM	39230
880-21411-14	BH15A	Total/NA	Solid	8015B NM	39230
880-21411-15	BH16A	Total/NA	Solid	8015B NM	39230
880-21411-16	BH17A	Total/NA	Solid	8015B NM	39230
880-21411-17	BH18A	Total/NA	Solid	8015B NM	39230
880-21411-18	BH19A	Total/NA	Solid	8015B NM	39230
880-21411-19	BH20A	Total/NA	Solid	8015B NM	39230
880-21411-20	BH21A	Total/NA	Solid	8015B NM	39230
MB 880-39230/1-A	Method Blank	Total/NA	Solid	8015B NM	39230
LCS 880-39230/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	39230
LCSD 880-39230/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	39230
880-21411-1 MS	BH02A	Total/NA	Solid	8015B NM	39230
880-21411-1 MSD	BH02A	Total/NA	Solid	8015B NM	39230

HPLC/IC

Leach Batch: 39355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-1	BH02A	Soluble	Solid	DI Leach	
880-21411-2	BH03A	Soluble	Solid	DI Leach	
880-21411-3	BH04A	Soluble	Solid	DI Leach	
880-21411-4	BH05A	Soluble	Solid	DI Leach	
880-21411-5	BH06A	Soluble	Solid	DI Leach	
880-21411-6	BH07A	Soluble	Solid	DI Leach	
880-21411-7	BH08A	Soluble	Solid	DI Leach	
880-21411-8	BH09A	Soluble	Solid	DI Leach	
880-21411-9	BH10A	Soluble	Solid	DI Leach	
880-21411-10	BH11A	Soluble	Solid	DI Leach	
880-21411-11	BH12A	Soluble	Solid	DI Leach	
880-21411-12	BH13A	Soluble	Solid	DI Leach	
880-21411-13	BH14A	Soluble	Solid	DI Leach	
880-21411-14	BH15A	Soluble	Solid	DI Leach	
880-21411-15	BH16A	Soluble	Solid	DI Leach	
880-21411-16	BH17A	Soluble	Solid	DI Leach	
880-21411-17	BH18A	Soluble	Solid	DI Leach	
880-21411-18	BH19A	Soluble	Solid	DI Leach	
880-21411-19	BH20A	Soluble	Solid	DI Leach	
880-21411-20	BH21A	Soluble	Solid	DI Leach	
MB 880-39355/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39355/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

HPLC/IC (Continued)

Leach Batch: 39355 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-39355/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21411-1 MS	BH02A	Soluble	Solid	DI Leach	
880-21411-1 MSD	BH02A	Soluble	Solid	DI Leach	
880-21411-11 MS	BH12A	Soluble	Solid	DI Leach	
880-21411-11 MSD	BH12A	Soluble	Solid	DI Leach	

Leach Batch: 39356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-21	BH22A	Soluble	Solid	DI Leach	
880-21411-22	BH23A	Soluble	Solid	DI Leach	
880-21411-23	BH24A	Soluble	Solid	DI Leach	
880-21411-24	BH25A	Soluble	Solid	DI Leach	
880-21411-25	BH26A	Soluble	Solid	DI Leach	
880-21411-26	BH27A	Soluble	Solid	DI Leach	
880-21411-27	BH31A	Soluble	Solid	DI Leach	
880-21411-28	BH32A	Soluble	Solid	DI Leach	
880-21411-29	BH33A	Soluble	Solid	DI Leach	
880-21411-30	BH35A	Soluble	Solid	DI Leach	
880-21411-31	BH36A	Soluble	Solid	DI Leach	
880-21411-32	BH37A	Soluble	Solid	DI Leach	
880-21411-33	BH40A	Soluble	Solid	DI Leach	
880-21411-34	BH41A	Soluble	Solid	DI Leach	
880-21411-35	BH42A	Soluble	Solid	DI Leach	
880-21411-36	SW8	Soluble	Solid	DI Leach	
880-21411-37	SW9	Soluble	Solid	DI Leach	
880-21411-38	SW10	Soluble	Solid	DI Leach	
880-21411-39	SW11	Soluble	Solid	DI Leach	
880-21411-40	SW12	Soluble	Solid	DI Leach	
MB 880-39356/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39356/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39356/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21411-21 MS	BH22A	Soluble	Solid	DI Leach	
880-21411-21 MSD	BH22A	Soluble	Solid	DI Leach	
880-21411-31 MS	BH36A	Soluble	Solid	DI Leach	
880-21411-31 MSD	BH36A	Soluble	Solid	DI Leach	

Leach Batch: 39450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-41	SW13	Soluble	Solid	DI Leach	
880-21411-42	SW14	Soluble	Solid	DI Leach	
880-21411-43	SW1A	Soluble	Solid	DI Leach	
MB 880-39450/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-39450/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-39450/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 39566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-1	BH02A	Soluble	Solid	300.0	39355
880-21411-2	BH03A	Soluble	Solid	300.0	39355
880-21411-3	BH04A	Soluble	Solid	300.0	39355
880-21411-4	BH05A	Soluble	Solid	300.0	39355

Eurofins Midland

QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

HPLC/IC (Continued)

Analysis Batch: 39566 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-5	BH06A	Soluble	Solid	300.0	39355
880-21411-6	BH07A	Soluble	Solid	300.0	39355
880-21411-7	BH08A	Soluble	Solid	300.0	39355
880-21411-8	BH09A	Soluble	Solid	300.0	39355
880-21411-9	BH10A	Soluble	Solid	300.0	39355
880-21411-10	BH11A	Soluble	Solid	300.0	39355
880-21411-11	BH12A	Soluble	Solid	300.0	39355
880-21411-12	BH13A	Soluble	Solid	300.0	39355
880-21411-13	BH14A	Soluble	Solid	300.0	39355
880-21411-14	BH15A	Soluble	Solid	300.0	39355
880-21411-15	BH16A	Soluble	Solid	300.0	39355
880-21411-16	BH17A	Soluble	Solid	300.0	39355
880-21411-17	BH18A	Soluble	Solid	300.0	39355
880-21411-18	BH19A	Soluble	Solid	300.0	39355
880-21411-19	BH20A	Soluble	Solid	300.0	39355
880-21411-20	BH21A	Soluble	Solid	300.0	39355
MB 880-39355/1-A	Method Blank	Soluble	Solid	300.0	39355
LCS 880-39355/2-A	Lab Control Sample	Soluble	Solid	300.0	39355
LCSD 880-39355/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39355
880-21411-1 MS	BH02A	Soluble	Solid	300.0	39355
880-21411-1 MSD	BH02A	Soluble	Solid	300.0	39355
880-21411-11 MS	BH12A	Soluble	Solid	300.0	39355
880-21411-11 MSD	BH12A	Soluble	Solid	300.0	39355

Analysis Batch: 39616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-21	BH22A	Soluble	Solid	300.0	39356
880-21411-22	BH23A	Soluble	Solid	300.0	39356
880-21411-23	BH24A	Soluble	Solid	300.0	39356
880-21411-24	BH25A	Soluble	Solid	300.0	39356
880-21411-25	BH26A	Soluble	Solid	300.0	39356
880-21411-26	BH27A	Soluble	Solid	300.0	39356
880-21411-27	BH31A	Soluble	Solid	300.0	39356
880-21411-28	BH32A	Soluble	Solid	300.0	39356
880-21411-29	BH33A	Soluble	Solid	300.0	39356
880-21411-30	BH35A	Soluble	Solid	300.0	39356
880-21411-31	BH36A	Soluble	Solid	300.0	39356
880-21411-32	BH37A	Soluble	Solid	300.0	39356
880-21411-33	BH40A	Soluble	Solid	300.0	39356
880-21411-34	BH41A	Soluble	Solid	300.0	39356
880-21411-35	BH42A	Soluble	Solid	300.0	39356
880-21411-36	SW8	Soluble	Solid	300.0	39356
880-21411-37	SW9	Soluble	Solid	300.0	39356
880-21411-38	SW10	Soluble	Solid	300.0	39356
880-21411-39	SW11	Soluble	Solid	300.0	39356
880-21411-40	SW12	Soluble	Solid	300.0	39356
MB 880-39356/1-A	Method Blank	Soluble	Solid	300.0	39356
LCS 880-39356/2-A	Lab Control Sample	Soluble	Solid	300.0	39356
LCSD 880-39356/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39356
880-21411-21 MS	BH22A	Soluble	Solid	300.0	39356
880-21411-21 MSD	BH22A	Soluble	Solid	300.0	39356

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

HPLC/IC (Continued)

Analysis Batch: 39616 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-31 MS	BH36A	Soluble	Solid	300.0	39356
880-21411-31 MSD	BH36A	Soluble	Solid	300.0	39356

Analysis Batch: 39643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21411-41	SW13	Soluble	Solid	300.0	39450
880-21411-42	SW14	Soluble	Solid	300.0	39450
880-21411-43	SW1A	Soluble	Solid	300.0	39450
MB 880-39450/1-A	Method Blank	Soluble	Solid	300.0	39450
LCS 880-39450/2-A	Lab Control Sample	Soluble	Solid	300.0	39450
LCSD 880-39450/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	39450

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH02A

Lab Sample ID: 880-21411-1

Date Collected: 11/07/22 11:05

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 08:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 11:47	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 07:06	CH	EET MID

Client Sample ID: BH03A

Lab Sample ID: 880-21411-2

Date Collected: 11/07/22 11:07

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 09:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 12:53	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 07:21	CH	EET MID

Client Sample ID: BH04A

Lab Sample ID: 880-21411-3

Date Collected: 11/07/22 11:09

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 09:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 13:16	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 07:26	CH	EET MID

Client Sample ID: BH05A

Lab Sample ID: 880-21411-4

Date Collected: 11/07/22 11:11

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 10:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID

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Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH05A**Lab Sample ID: 880-21411-4****Date Collected: 11/07/22 11:11****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 13:38	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 07:31	CH	EET MID

Client Sample ID: BH06A**Lab Sample ID: 880-21411-5****Date Collected: 11/07/22 11:12****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 10:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 14:00	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 07:36	CH	EET MID

Client Sample ID: BH07A**Lab Sample ID: 880-21411-6****Date Collected: 11/07/22 11:13****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 10:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 14:22	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 07:51	CH	EET MID

Client Sample ID: BH08A**Lab Sample ID: 880-21411-7****Date Collected: 11/07/22 11:14****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 11:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 14:44	AJ	EET MID

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Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH08A**Lab Sample ID: 880-21411-7****Date Collected: 11/07/22 11:14****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 07:56	CH	EET MID

Client Sample ID: BH09A**Lab Sample ID: 880-21411-8****Date Collected: 11/07/22 11:15****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 11:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 15:06	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 08:01	CH	EET MID

Client Sample ID: BH10A**Lab Sample ID: 880-21411-9****Date Collected: 11/07/22 11:16****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 11:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 15:28	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 08:06	CH	EET MID

Client Sample ID: BH11A**Lab Sample ID: 880-21411-10****Date Collected: 11/07/22 11:17****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 12:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 15:50	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 08:11	CH	EET MID

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Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH12A

Lab Sample ID: 880-21411-11

Date Collected: 11/07/22 11:18

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 16:34	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 08:16	CH	EET MID

Client Sample ID: BH13A

Lab Sample ID: 880-21411-12

Date Collected: 11/07/22 11:19

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 16:56	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 08:31	CH	EET MID

Client Sample ID: BH14A

Lab Sample ID: 880-21411-13

Date Collected: 11/07/22 11:20

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 17:19	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 08:35	CH	EET MID

Client Sample ID: BH15A

Lab Sample ID: 880-21411-14

Date Collected: 11/07/22 11:21

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH15A**Lab Sample ID: 880-21411-14****Date Collected: 11/07/22 11:21****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 17:41	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 08:50	CH	EET MID

Client Sample ID: BH16A**Lab Sample ID: 880-21411-15****Date Collected: 11/07/22 11:22****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 14:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 18:03	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 08:55	CH	EET MID

Client Sample ID: BH17A**Lab Sample ID: 880-21411-16****Date Collected: 11/07/22 11:23****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 15:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 18:25	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 09:00	CH	EET MID

Client Sample ID: BH18A**Lab Sample ID: 880-21411-17****Date Collected: 11/07/22 11:24****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 15:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 18:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH18A**Lab Sample ID: 880-21411-17****Date Collected: 11/07/22 11:24****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 09:05	CH	EET MID

Client Sample ID: BH19A**Lab Sample ID: 880-21411-18****Date Collected: 11/07/22 11:25****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 15:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 19:09	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 09:10	CH	EET MID

Client Sample ID: BH20A**Lab Sample ID: 880-21411-19****Date Collected: 11/07/22 11:26****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 16:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 19:32	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 09:15	CH	EET MID

Client Sample ID: BH21A**Lab Sample ID: 880-21411-20****Date Collected: 11/07/22 11:27****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39250	11/10/22 13:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39369	11/13/22 16:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/14/22 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39230	11/10/22 11:57	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39377	11/13/22 19:53	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	39355	11/11/22 17:24	KS	EET MID
Soluble	Analysis	300.0		1			39566	11/15/22 09:20	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH22A

Lab Sample ID: 880-21411-21

Date Collected: 11/07/22 11:28

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 12:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/12/22 21:09	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 12:02	CH	EET MID

Client Sample ID: BH23A

Lab Sample ID: 880-21411-22

Date Collected: 11/07/22 11:29

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 12:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/12/22 22:15	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 12:17	CH	EET MID

Client Sample ID: BH24A

Lab Sample ID: 880-21411-23

Date Collected: 11/07/22 11:30

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 13:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/12/22 22:37	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 12:22	CH	EET MID

Client Sample ID: BH25A

Lab Sample ID: 880-21411-24

Date Collected: 11/07/22 11:31

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 13:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH25A

Lab Sample ID: 880-21411-24

Date Collected: 11/07/22 11:31

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/12/22 23:00	AJ	EET MID
Soluble	Leach	DI Leach			499 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 12:27	CH	EET MID

Client Sample ID: BH26A

Lab Sample ID: 880-21411-25

Date Collected: 11/07/22 11:32

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/12/22 23:22	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 12:31	CH	EET MID

Client Sample ID: BH27A

Lab Sample ID: 880-21411-26

Date Collected: 11/07/22 11:33

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 14:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/12/22 23:43	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 12:46	CH	EET MID

Client Sample ID: BH31A

Lab Sample ID: 880-21411-27

Date Collected: 11/07/22 11:34

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 14:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/13/22 00:05	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH31A**Lab Sample ID: 880-21411-27****Date Collected: 11/07/22 11:34****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 12:51	CH	EET MID

Client Sample ID: BH32A**Lab Sample ID: 880-21411-28****Date Collected: 11/07/22 11:35****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 15:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/13/22 00:27	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 12:57	CH	EET MID

Client Sample ID: BH33A**Lab Sample ID: 880-21411-29****Date Collected: 11/07/22 11:36****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 15:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/13/22 00:48	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 13:02	CH	EET MID

Client Sample ID: BH35A**Lab Sample ID: 880-21411-30****Date Collected: 11/07/22 11:37****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 16:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/13/22 01:10	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 13:07	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH36A**Lab Sample ID: 880-21411-31****Date Collected: 11/07/22 11:38****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 17:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/13/22 01:53	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 13:13	CH	EET MID

Client Sample ID: BH37A**Lab Sample ID: 880-21411-32****Date Collected: 11/07/22 11:39****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 18:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/13/22 02:14	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 13:29	CH	EET MID

Client Sample ID: BH40A**Lab Sample ID: 880-21411-33****Date Collected: 11/07/22 11:40****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/13/22 04:02	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 13:34	CH	EET MID

Client Sample ID: BH41A**Lab Sample ID: 880-21411-34****Date Collected: 11/07/22 11:41****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 19:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: BH41A**Lab Sample ID: 880-21411-34****Date Collected: 11/07/22 11:41****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/13/22 02:36	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 13:50	CH	EET MID

Client Sample ID: BH42A**Lab Sample ID: 880-21411-35****Date Collected: 11/07/22 11:42****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 19:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/13/22 02:57	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 13:56	CH	EET MID

Client Sample ID: SW8**Lab Sample ID: 880-21411-36****Date Collected: 11/07/22 11:43****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 20:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39171	11/10/22 08:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/11/22 05:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 14:01	CH	EET MID

Client Sample ID: SW9**Lab Sample ID: 880-21411-37****Date Collected: 11/07/22 11:44****Matrix: Solid****Date Received: 11/09/22 16:41**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 20:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39171	11/10/22 08:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/11/22 05:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: SW9

Lab Sample ID: 880-21411-37

Date Collected: 11/07/22 11:44

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 14:06	CH	EET MID

Client Sample ID: SW10

Lab Sample ID: 880-21411-38

Date Collected: 11/07/22 11:45

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 20:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/11/22 09:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39171	11/10/22 08:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39162	11/11/22 06:05	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 14:12	CH	EET MID

Client Sample ID: SW11

Lab Sample ID: 880-21411-39

Date Collected: 11/07/22 11:46

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 21:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39172	11/10/22 08:48	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/11/22 19:25	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 14:17	CH	EET MID

Client Sample ID: SW12

Lab Sample ID: 880-21411-40

Date Collected: 11/07/22 11:47

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39251	11/10/22 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39391	11/14/22 21:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 11:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 09:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	39172	11/10/22 08:48	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39269	11/11/22 19:45	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	39356	11/11/22 17:25	KS	EET MID
Soluble	Analysis	300.0		1			39616	11/15/22 14:22	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Client Sample ID: SW13

Lab Sample ID: 880-21411-41

Date Collected: 11/07/22 11:48

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	39423	11/14/22 10:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39392	11/15/22 03:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 13:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	39314	11/11/22 10:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39373	11/14/22 04:36	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	39450	11/14/22 11:44	KS	EET MID
Soluble	Analysis	300.0		1			39643	11/16/22 07:06	CH	EET MID

Client Sample ID: SW14

Lab Sample ID: 880-21411-42

Date Collected: 11/07/22 11:49

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	39423	11/14/22 10:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39392	11/15/22 03:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 13:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	39314	11/11/22 10:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39373	11/14/22 04:56	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	39450	11/14/22 11:44	KS	EET MID
Soluble	Analysis	300.0		1			39643	11/16/22 07:11	CH	EET MID

Client Sample ID: SW1A

Lab Sample ID: 880-21411-43

Date Collected: 11/07/22 11:00

Matrix: Solid

Date Received: 11/09/22 16:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	39423	11/14/22 10:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	39392	11/15/22 03:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39555	11/15/22 10:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			39305	11/14/22 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	39262	11/10/22 15:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	39366	11/13/22 03:19	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	39450	11/14/22 11:44	KS	EET MID
Soluble	Analysis	300.0		1			39643	11/16/22 07:17	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

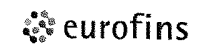
Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-21411-1
SDG: 12592592

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-21411-1	BH02A	Solid	11/07/22 11:05	11/09/22 16:41
880-21411-2	BH03A	Solid	11/07/22 11:07	11/09/22 16:41
880-21411-3	BH04A	Solid	11/07/22 11:09	11/09/22 16:41
880-21411-4	BH05A	Solid	11/07/22 11:11	11/09/22 16:41
880-21411-5	BH06A	Solid	11/07/22 11:12	11/09/22 16:41
880-21411-6	BH07A	Solid	11/07/22 11:13	11/09/22 16:41
880-21411-7	BH08A	Solid	11/07/22 11:14	11/09/22 16:41
880-21411-8	BH09A	Solid	11/07/22 11:15	11/09/22 16:41
880-21411-9	BH10A	Solid	11/07/22 11:16	11/09/22 16:41
880-21411-10	BH11A	Solid	11/07/22 11:17	11/09/22 16:41
880-21411-11	BH12A	Solid	11/07/22 11:18	11/09/22 16:41
880-21411-12	BH13A	Solid	11/07/22 11:19	11/09/22 16:41
880-21411-13	BH14A	Solid	11/07/22 11:20	11/09/22 16:41
880-21411-14	BH15A	Solid	11/07/22 11:21	11/09/22 16:41
880-21411-15	BH16A	Solid	11/07/22 11:22	11/09/22 16:41
880-21411-16	BH17A	Solid	11/07/22 11:23	11/09/22 16:41
880-21411-17	BH18A	Solid	11/07/22 11:24	11/09/22 16:41
880-21411-18	BH19A	Solid	11/07/22 11:25	11/09/22 16:41
880-21411-19	BH20A	Solid	11/07/22 11:26	11/09/22 16:41
880-21411-20	BH21A	Solid	11/07/22 11:27	11/09/22 16:41
880-21411-21	BH22A	Solid	11/07/22 11:28	11/09/22 16:41
880-21411-22	BH23A	Solid	11/07/22 11:29	11/09/22 16:41
880-21411-23	BH24A	Solid	11/07/22 11:30	11/09/22 16:41
880-21411-24	BH25A	Solid	11/07/22 11:31	11/09/22 16:41
880-21411-25	BH26A	Solid	11/07/22 11:32	11/09/22 16:41
880-21411-26	BH27A	Solid	11/07/22 11:33	11/09/22 16:41
880-21411-27	BH31A	Solid	11/07/22 11:34	11/09/22 16:41
880-21411-28	BH32A	Solid	11/07/22 11:35	11/09/22 16:41
880-21411-29	BH33A	Solid	11/07/22 11:36	11/09/22 16:41
880-21411-30	BH35A	Solid	11/07/22 11:37	11/09/22 16:41
880-21411-31	BH36A	Solid	11/07/22 11:38	11/09/22 16:41
880-21411-32	BH37A	Solid	11/07/22 11:39	11/09/22 16:41
880-21411-33	BH40A	Solid	11/07/22 11:40	11/09/22 16:41
880-21411-34	BH41A	Solid	11/07/22 11:41	11/09/22 16:41
880-21411-35	BH42A	Solid	11/07/22 11:42	11/09/22 16:41
880-21411-36	SW8	Solid	11/07/22 11:43	11/09/22 16:41
880-21411-37	SW9	Solid	11/07/22 11:44	11/09/22 16:41
880-21411-38	SW10	Solid	11/07/22 11:45	11/09/22 16:41
880-21411-39	SW11	Solid	11/07/22 11:46	11/09/22 16:41
880-21411-40	SW12	Solid	11/07/22 11:47	11/09/22 16:41
880-21411-41	SW13	Solid	11/07/22 11:48	11/09/22 16:41
880-21411-42	SW14	Solid	11/07/22 11:49	11/09/22 16:41
880-21411-43	SW1A	Solid	11/07/22 11:00	11/09/22 16:41



Chain of Custody Record



21411

Environment Testing
America

11/17/2022

SSOW SSOW-12592592-2022-002

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other **NMOCD**

Eurofins Environment Testing America

Client Contact		Project Manager: J.T. Murrey		Site Contact:		Date:		COC No			
GHD Services		Email jt.murrey@ghd.com		Lab Contact:		Carrier:		1 of 4 COCs			
2135 S Loop 250 West		Analysis Turnaround Time						TALS Project #			
Midland, TX 79703		☐ CALENDAR DAYS ☒ WORKING DAYS						Sampler JTM			
361-252-6136		TAT if different from Below _____						For Lab Use Only:			
(xxx) xxx-xxxx FAX		☐ 2 weeks						Walk-in Client			
Project Name Delek Queso Blanco		☒ 1 week						Lab Sampling			
Site		☐ 2 days						Job / SDG No			
P O # 4400008233		☐ 1 day									
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPH 8015 - GRO/DRO/MFO	BTEX 8021	Chlorides	Sample Specific Notes
BH02A	11/7/22	11 05	C	SO	1		X	X	X		
BH03A	11/7/22	11 07	C	SO	1		X	X	X		
BH04A	11/7/22	11 09	C	SO	1		X	X	X		
BH05A	11/7/22	11 11	C	SO	1		X	X	X		
BH06A	11/7/22	11 12	C	SO	1		X	X	X		
BH07A	11/7/22	11 13	C	SO	1		X	X	X		
BH08A	11/7/22	11 14	C	SO	1		X	X	X		
BH09A	11/7/22	11 15	C	SO	1		X	X	X		
BH10A	11/7/22	11 16	C	SO	1		X	X	X		
BH11A	11/7/22	11 17	C	SO	1		X	X	X		
BH12A	11/7/22	11 18	C	SO	1		X	X	X		
BH13A	11/7/22	11 19	C	SO	1		X	X	X		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown						☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months					
Special Instructions/QC Requirements & Comments: 4.3/4.0 402											
Custody Seals Intact ☐ Yes ☐ No			Custody Seal No			Cooler Temp (°C) Obs'd			Therm ID No		
Relinquished by [Signature]			Company [Signature]			Date/Time 11/9/22 1041			Received by [Signature]		
Relinquished by			Company			Date/Time			Received by:		
Relinquished by			Company			Date/Time			Received in Laboratory by		

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Released to Imaging: 12/8/2023 9:06:35 AM



Chain of Custody Record

SSOW SSOW-12592592-2022-002



Environment Testing
America

Eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other NMOC

Client Contact GHD Services 2135 S Loop 250 West Midland, TX 79703 361-252-6136 (xxx) xxx-xxxx FAX Project Name Delek Queso Blanco Site P O # 4400008233		Project Manager: J.T. Murrey Email jt.murrey@ghd.com Tel/Fax:		Site Contact: Lab Contact:		Date: Carrier:		COC No <u>2</u> of <u>4</u> COCs TALS Project # Sampler JTM For Lab Use Only. Walk-in Client Lab Sampling Job / SDG No		
Analysis Turnaround Time ☐ CALENDAR DAYS ☒ WORKING DAYS TAT if different from Below _____ ☐ 2 weeks ☒ 1 week ☐ 2 days ☐ 1 day		Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N) Perform MS / MSD (Y/N) TPH 8015 - GRO/DRO/MRO BTEX 8021 Chlorides	Sample Specific Notes
BH14A		11/7/22	11 20	C	SO	1			X X X	
BH15A		11/7/22	11 21	C	SO	1			X X X	
BH16A		11/7/22	11 22	C	SO	1			X X X	
BH17A		11/7/22	11 23	C	SO	1			X X X	
BH18A		11/7/22	11 24	C	SO	1			X X X	
BH19A		11/7/22	11 25	C	SO	1			X X X	
BH20A		11/7/22	11 26	C	SO	1			X X X	
BH21A		11/7/22	11 27	C	SO	1			X X X	
BH22A		11/7/22	11 28	C	SO	1			X X X	
BH23A		11/7/22	11 29	C	SO	1			X X X	
BH24A		11/7/22	11 30	C	SO	1			X X X	
BH25A		11/7/22	11 31	C	SO	1			X X X	
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other										
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months
Special Instructions/QC Requirements & Comments:										
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____				
Relinquished by		Company		Date/Time 11/6/22 10:11		Received by		Company _____		Date/Time _____
Relinquished by _____		Company _____		Date/Time _____		Received by _____		Company _____		Date/Time _____
Relinquished by _____		Company _____		Date/Time _____		Received in Laboratory by _____		Company _____		Date/Time _____

Chain of Custody Record

SSOW SSOW-12592592-2022-002

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other NMOCD

Eurofins Environment Testing America

Client Contact		Project Manager: J.T. Murrey		Site Contact:		Date:						
GHD Services		Email jt.murrey@ghd.com		Lab Contact:		Carrier:						
2135 S Loop 250 West		Tel/Fax:										
Midland, TX 79703		Analysis Turnaround Time										
361-252-6136		☐ CALENDAR DAYS ☒ WORKING DAYS										
(xxx) xxx-xxxx FAX		TAT if different from Below _____										
Project Name Delek Queso Blanco		☐ 2 weeks										
Site		☒ 1 week										
P O # 4400008233		☐ 2 days										
		☐ 1 day										
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	TPH 8015 - GRO/DRO/MRO	BTEX 8021	Chlorides	COC No	3 of 4 COCs
BH26A	11/7/22	11 32	C	SO	1		X	X	X			
BH27A	11/7/22	11 33	C	SO	1		X	X	X			
BH31A	11/7/22	11 34	C	SO	1		X	X	X			
BH32A	11/7/22	11 35	C	SO	1		X	X	X			
BH33A	11/7/22	11 36	C	SO	1		X	X	X			
BH35A	11/7/22	11 37	C	SO	1		X	X	X			
BH36A	11/7/22	11 38	C	SO	1		X	X	X			
BH37A	11/7/22	11 39	C	SO	1		X	X	X			
BH40A	11/7/22	11 40	C	SO	1		X	X	X			
BH41A	11/7/22	11 41	C	SO	1		X	X	X			
BH42A	11/7/22	11 42	C	SO	1		X	X	X			
SW8	11/7/22	11 43	C	SO	1		X	X	X			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other												
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown						☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months						
Special Instructions/QC Requirements & Comments:												
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temp (°C) Obs'd		Corr'd		Therm ID No				
Relinquished by		Company		Date/Time 11/9/22 104		Received by		Company		Date/Time		
Relinquished by		Company		Date/Time		Received by		Company		Date/Time		
Relinquished by		Company		Date/Time		Received in Laboratory by		Company		Date/Time		

Chain of Custody Record

SSOW SSOW-12592592-2022-002

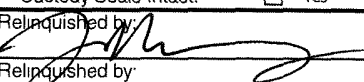
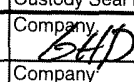


Environment Test
America

11/17/2022

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other **NMOC**

Eurofins Environment Testing America

Client Contact		Project Manager: J.T. Murrey		Site Contact:		Date:		COC No. <u>4</u> of <u>4</u> COCs		
GHD Services		Email jt.murrey@ghd.com		Lab Contact:		Carrier:		TALS Project #		
2135 S Loop 250 West		Tel/Fax:		Analysis Turnaround Time ☐ CALENDAR DAYS ☒ WORKING DAYS TAT if different from Below _____ ☐ 2 weeks ☒ 1 week ☐ 2 days ☐ 1 day		Filtered Sample (Y / N) Perform MS / MSD (Y / N) TPH 8015 - GRO/DRO/MRO BTX 8021 Chlorides		Sampler JTM		
Midland, TX 79703		361-252-6136						For Lab Use Only:		
(xxx) xxx-xxxx FAX		Project Name Delek Queso Blanco						Walk-in Client		
Site		P O # 4400008233						Lab Sampling		
								Job / SDG No		
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.			Sample Specific Notes	
SW9	11/7/22	11 44	C	SO	1		X	X	X	
SW10	11/7/22	11 45	C	SO	1		X	X	X	
SW11	11/7/22	11 46	C	SO	1		X	X	X	
SW12	11/7/22	11 47	C	SO	1		X	X	X	
SW13	11/7/22	11 48	C	SO	1		X	X	X	
SW14	11/7/22	11 49	C	SO	1		X	X	X	
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other										
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months			
Special Instructions/QC Requirements & Comments:										
Custody Seals Intact. ☐ Yes ☐ No		Custody Seal No		Cooler Temp (°C) Obs'd		Corr'd		Therm ID No		
Relinquished by: 		Company: 		Date/Time: 11/9/22		Received by:		Company:		
Relinquished by:		Company:		Date/Time:		Received by:		Company:		
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:		Company:		

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 880-21411-1

SDG Number: 12592592

Login Number: 21411

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

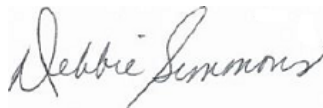
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature 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	

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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11/17/2022 7:27:48 PM

Authorized for release by
Debbie Simmons, Project Manager
Debbie.Simmons@et.eurofinsus.com
(832)986-6768



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Christine Mathews
GHD Services Inc.
6121 Indian School Road NE
Suite 200
Albuquerque, New Mexico 87110

Generated 12/28/2022 12:59:54 PM

JOB DESCRIPTION

Delek Queso Blanco
SDG NUMBER 12592592

JOB NUMBER

880-22828-1

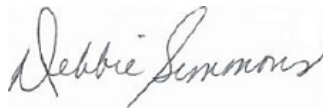
Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
12/28/2022 12:59:54 PM

Authorized for release by
Debbie Simmons, Project Manager
Debbie.Simmons@et.eurofinsus.com
(832)986-6768

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Laboratory Job ID: 880-22828-1
SDG: 12592592

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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

Job ID: 880-22828-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-22828-1

Receipt

The samples were received on 12/16/2022 12:25 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 5.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH6A (880-22828-1), BH3A (880-22828-2), BH18A (880-22828-3), BH40A (880-22828-4) and SW13A (880-22828-5).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH3A (880-22828-2). 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 surrogate recovery for the blank associated with preparation batch 880-42031 and analytical batch 880-42110 was outside the upper control limits.

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

HPLC/IC

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

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

Client Sample ID: BH6A

Lab Sample ID: 880-22828-1

Date Collected: 12/15/22 10:31

Matrix: Solid

Date Received: 12/16/22 12:25

Sample Depth: 6.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/22/22 14:30	12/27/22 14:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/22/22 14:30	12/27/22 14:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/22/22 14:30	12/27/22 14:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/22/22 14:30	12/27/22 14:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/22/22 14:30	12/27/22 14:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/22/22 14:30	12/27/22 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/22/22 14:30	12/27/22 14:06	1
1,4-Difluorobenzene (Surr)	79		70 - 130	12/22/22 14:30	12/27/22 14:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/27/22 15:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	65.3		50.0		mg/Kg			12/19/22 17:07	1

Method: SW846 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		mg/Kg		12/16/22 13:32	12/18/22 22:22	1
Diesel Range Organics (Over C10-C28)	65.3		50.0		mg/Kg		12/16/22 13:32	12/18/22 22:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/16/22 13:32	12/18/22 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	12/16/22 13:32	12/18/22 22:22	1
o-Terphenyl	103		70 - 130	12/16/22 13:32	12/18/22 22:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.0		5.00		mg/Kg			12/16/22 17:06	1

Client Sample ID: BH3A

Lab Sample ID: 880-22828-2

Date Collected: 12/15/22 10:42

Matrix: Solid

Date Received: 12/16/22 12:25

Sample Depth: 6.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/22/22 14:30	12/27/22 14:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/22/22 14:30	12/27/22 14:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/22/22 14:30	12/27/22 14:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/22/22 14:30	12/27/22 14:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/22/22 14:30	12/27/22 14:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/22/22 14:30	12/27/22 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	54	S1-	70 - 130	12/22/22 14:30	12/27/22 14:26	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

Client Sample ID: BH3A

Lab Sample ID: 880-22828-2

Date Collected: 12/15/22 10:42

Matrix: Solid

Date Received: 12/16/22 12:25

Sample Depth: 6.5

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	78		70 - 130	12/22/22 14:30	12/27/22 14:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/27/22 15:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/19/22 17:07	1

Method: SW846 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		mg/Kg		12/16/22 13:32	12/18/22 23:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/16/22 13:32	12/18/22 23:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/16/22 13:32	12/18/22 23:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/16/22 13:32	12/18/22 23:29	1
o-Terphenyl	111		70 - 130				12/16/22 13:32	12/18/22 23:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.2		4.99		mg/Kg			12/16/22 17:11	1

Client Sample ID: BH18A

Lab Sample ID: 880-22828-3

Date Collected: 12/15/22 10:55

Matrix: Solid

Date Received: 12/16/22 12:25

Sample Depth: 5.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/22/22 14:30	12/27/22 14:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/22/22 14:30	12/27/22 14:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/22/22 14:30	12/27/22 14:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/22/22 14:30	12/27/22 14:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/22/22 14:30	12/27/22 14:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/22/22 14:30	12/27/22 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/22/22 14:30	12/27/22 14:47	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/22/22 14:30	12/27/22 14:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/27/22 15:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/19/22 17:07	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

Client Sample ID: BH18A

Lab Sample ID: 880-22828-3

Date Collected: 12/15/22 10:55

Matrix: Solid

Date Received: 12/16/22 12:25

Sample Depth: 5.5

Method: SW846 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		mg/Kg		12/16/22 13:32	12/18/22 23:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/16/22 13:32	12/18/22 23:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/16/22 13:32	12/18/22 23:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				12/16/22 13:32	12/18/22 23:51	1
o-Terphenyl	116		70 - 130				12/16/22 13:32	12/18/22 23:51	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.7		5.01		mg/Kg			12/16/22 17:26	1

Client Sample ID: BH40A

Lab Sample ID: 880-22828-4

Date Collected: 12/15/22 10:57

Matrix: Solid

Date Received: 12/16/22 12:25

Sample Depth: 5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/22/22 14:30	12/27/22 15:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/22/22 14:30	12/27/22 15:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/22/22 14:30	12/27/22 15:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/22/22 14:30	12/27/22 15:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/22/22 14:30	12/27/22 15:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/22/22 14:30	12/27/22 15:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/22/22 14:30	12/27/22 15:08	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/22/22 14:30	12/27/22 15:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/27/22 16:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/19/22 17:07	1

Method: SW846 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		mg/Kg		12/16/22 13:32	12/19/22 00:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/16/22 13:32	12/19/22 00:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/16/22 13:32	12/19/22 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				12/16/22 13:32	12/19/22 00:12	1
o-Terphenyl	128		70 - 130				12/16/22 13:32	12/19/22 00:12	1

Eurofins Midland

Client Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

Client Sample ID: BH40A

Lab Sample ID: 880-22828-4

Date Collected: 12/15/22 10:57

Matrix: Solid

Date Received: 12/16/22 12:25

Sample Depth: 5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.9		4.97		mg/Kg			12/16/22 17:30	1

Client Sample ID: SW13A

Lab Sample ID: 880-22828-5

Date Collected: 12/15/22 11:07

Matrix: Solid

Date Received: 12/16/22 12:25

Sample Depth: 0-4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/22/22 14:30	12/27/22 15:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/22/22 14:30	12/27/22 15:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/22/22 14:30	12/27/22 15:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/22/22 14:30	12/27/22 15:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/22/22 14:30	12/27/22 15:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/22/22 14:30	12/27/22 15:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/22/22 14:30	12/27/22 15:29	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/22/22 14:30	12/27/22 15:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/27/22 16:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/19/22 17:07	1

Method: SW846 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		mg/Kg		12/16/22 13:32	12/19/22 00:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/16/22 13:32	12/19/22 00:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/16/22 13:32	12/19/22 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/16/22 13:32	12/19/22 00:34	1
o-Terphenyl	123		70 - 130				12/16/22 13:32	12/19/22 00:34	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.4		4.99		mg/Kg			12/16/22 17:35	1

Eurofins Midland

Surrogate Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-22828-1	BH6A	117	79
880-22828-2	BH3A	54 S1-	78
880-22828-3	BH18A	118	107
880-22828-4	BH40A	115	107
880-22828-5	SW13A	116	104
LCS 880-42531/1-A	Lab Control Sample	99	96
LCSD 880-42531/2-A	Lab Control Sample Dup	99	96
MB 880-42531/5-A	Method Blank	95	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-22828-1	BH6A	93	103
880-22828-1 MS	BH6A	99	94
880-22828-1 MSD	BH6A	101	95
880-22828-2	BH3A	103	111
880-22828-3	BH18A	105	116
880-22828-4	BH40A	117	128
880-22828-5	SW13A	112	123
LCS 880-42031/2-A	Lab Control Sample	104	119
LCSD 880-42031/3-A	Lab Control Sample Dup	109	125
MB 880-42031/1-A	Method Blank	130	152 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42531/5-A

Matrix: Solid

Analysis Batch: 42623

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/22/22 14:30	12/27/22 13:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/22/22 14:30	12/27/22 13:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/22/22 14:30	12/27/22 13:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/22/22 14:30	12/27/22 13:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/22/22 14:30	12/27/22 13:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/22/22 14:30	12/27/22 13:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	12/22/22 14:30	12/27/22 13:02	1
1,4-Difluorobenzene (Surr)	93		70 - 130	12/22/22 14:30	12/27/22 13:02	1

Lab Sample ID: LCS 880-42531/1-A

Matrix: Solid

Analysis Batch: 42623

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1042		mg/Kg		104	70 - 130
Toluene	0.100	0.1015		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09525		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.2103		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1038		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-42531/2-A

Matrix: Solid

Analysis Batch: 42623

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42531

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1033		mg/Kg		103	70 - 130	1	35
Toluene	0.100	0.09966		mg/Kg		100	70 - 130	2	35
Ethylbenzene	0.100	0.09323		mg/Kg		93	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2065		mg/Kg		103	70 - 130	2	35
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Eurofins Midland

QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

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

Lab Sample ID: MB 880-42031/1-A

Matrix: Solid

Analysis Batch: 42110

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/16/22 13:32	12/18/22 21:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/16/22 13:32	12/18/22 21:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/16/22 13:32	12/18/22 21:14	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				12/16/22 13:32	12/18/22 21:14	1
o-Terphenyl	152	S1+	70 - 130				12/16/22 13:32	12/18/22 21:14	1

Lab Sample ID: LCS 880-42031/2-A

Matrix: Solid

Analysis Batch: 42110

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42031

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	874.2		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	997.0		mg/Kg		100	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	104		70 - 130				
o-Terphenyl	119		70 - 130				

Lab Sample ID: LCSD 880-42031/3-A

Matrix: Solid

Analysis Batch: 42110

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42031

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	957.9		mg/Kg		96	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	1049		mg/Kg		105	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	109		70 - 130						
o-Terphenyl	125		70 - 130						

Lab Sample ID: 880-22828-1 MS

Matrix: Solid

Analysis Batch: 42110

Client Sample ID: BH6A

Prep Type: Total/NA

Prep Batch: 42031

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1009		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	65.3		999	1153		mg/Kg		109	70 - 130

Eurofins Midland

QC Sample Results

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

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

Lab Sample ID: 880-22828-1 MS

Matrix: Solid

Analysis Batch: 42110

Client Sample ID: BH6A

Prep Type: Total/NA

Prep Batch: 42031

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 880-22828-1 MSD

Matrix: Solid

Analysis Batch: 42110

Client Sample ID: BH6A

Prep Type: Total/NA

Prep Batch: 42031

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1028		mg/Kg		99	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	65.3		997	1165		mg/Kg		110	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	95		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-42017/1-A

Matrix: Solid

Analysis Batch: 42032

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/16/22 15:29	1

Lab Sample ID: LCS 880-42017/2-A

Matrix: Solid

Analysis Batch: 42032

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.9		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-42017/3-A

Matrix: Solid

Analysis Batch: 42032

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	249.2		mg/Kg		100	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

GC VOA

Prep Batch: 42531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22828-1	BH6A	Total/NA	Solid	5035	
880-22828-2	BH3A	Total/NA	Solid	5035	
880-22828-3	BH18A	Total/NA	Solid	5035	
880-22828-4	BH40A	Total/NA	Solid	5035	
880-22828-5	SW13A	Total/NA	Solid	5035	
MB 880-42531/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42531/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42531/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 42623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22828-1	BH6A	Total/NA	Solid	8021B	42531
880-22828-2	BH3A	Total/NA	Solid	8021B	42531
880-22828-3	BH18A	Total/NA	Solid	8021B	42531
880-22828-4	BH40A	Total/NA	Solid	8021B	42531
880-22828-5	SW13A	Total/NA	Solid	8021B	42531
MB 880-42531/5-A	Method Blank	Total/NA	Solid	8021B	42531
LCS 880-42531/1-A	Lab Control Sample	Total/NA	Solid	8021B	42531
LCSD 880-42531/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42531

Analysis Batch: 42742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22828-1	BH6A	Total/NA	Solid	Total BTEX	
880-22828-2	BH3A	Total/NA	Solid	Total BTEX	
880-22828-3	BH18A	Total/NA	Solid	Total BTEX	
880-22828-4	BH40A	Total/NA	Solid	Total BTEX	
880-22828-5	SW13A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 42031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22828-1	BH6A	Total/NA	Solid	8015NM Prep	
880-22828-2	BH3A	Total/NA	Solid	8015NM Prep	
880-22828-3	BH18A	Total/NA	Solid	8015NM Prep	
880-22828-4	BH40A	Total/NA	Solid	8015NM Prep	
880-22828-5	SW13A	Total/NA	Solid	8015NM Prep	
MB 880-42031/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42031/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42031/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22828-1 MS	BH6A	Total/NA	Solid	8015NM Prep	
880-22828-1 MSD	BH6A	Total/NA	Solid	8015NM Prep	

Analysis Batch: 42110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22828-1	BH6A	Total/NA	Solid	8015B NM	42031
880-22828-2	BH3A	Total/NA	Solid	8015B NM	42031
880-22828-3	BH18A	Total/NA	Solid	8015B NM	42031
880-22828-4	BH40A	Total/NA	Solid	8015B NM	42031
880-22828-5	SW13A	Total/NA	Solid	8015B NM	42031
MB 880-42031/1-A	Method Blank	Total/NA	Solid	8015B NM	42031

Eurofins Midland

QC Association Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

GC Semi VOA (Continued)

Analysis Batch: 42110 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-42031/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42031
LCSD 880-42031/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42031
880-22828-1 MS	BH6A	Total/NA	Solid	8015B NM	42031
880-22828-1 MSD	BH6A	Total/NA	Solid	8015B NM	42031

Analysis Batch: 42260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22828-1	BH6A	Total/NA	Solid	8015 NM	
880-22828-2	BH3A	Total/NA	Solid	8015 NM	
880-22828-3	BH18A	Total/NA	Solid	8015 NM	
880-22828-4	BH40A	Total/NA	Solid	8015 NM	
880-22828-5	SW13A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 42017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22828-1	BH6A	Soluble	Solid	DI Leach	
880-22828-2	BH3A	Soluble	Solid	DI Leach	
880-22828-3	BH18A	Soluble	Solid	DI Leach	
880-22828-4	BH40A	Soluble	Solid	DI Leach	
880-22828-5	SW13A	Soluble	Solid	DI Leach	
MB 880-42017/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42017/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42017/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 42032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22828-1	BH6A	Soluble	Solid	300.0	42017
880-22828-2	BH3A	Soluble	Solid	300.0	42017
880-22828-3	BH18A	Soluble	Solid	300.0	42017
880-22828-4	BH40A	Soluble	Solid	300.0	42017
880-22828-5	SW13A	Soluble	Solid	300.0	42017
MB 880-42017/1-A	Method Blank	Soluble	Solid	300.0	42017
LCS 880-42017/2-A	Lab Control Sample	Soluble	Solid	300.0	42017
LCSD 880-42017/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42017

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

Client Sample ID: BH6A

Lab Sample ID: 880-22828-1

Date Collected: 12/15/22 10:31

Matrix: Solid

Date Received: 12/16/22 12:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42531	12/22/22 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42623	12/27/22 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42742	12/27/22 15:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			42260	12/19/22 17:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42031	12/16/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42110	12/18/22 22:22	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42017	12/16/22 13:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42032	12/16/22 17:06	CH	EET MID

Client Sample ID: BH3A

Lab Sample ID: 880-22828-2

Date Collected: 12/15/22 10:42

Matrix: Solid

Date Received: 12/16/22 12:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42531	12/22/22 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42623	12/27/22 14:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42742	12/27/22 15:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			42260	12/19/22 17:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42031	12/16/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42110	12/18/22 23:29	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42017	12/16/22 13:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42032	12/16/22 17:11	CH	EET MID

Client Sample ID: BH18A

Lab Sample ID: 880-22828-3

Date Collected: 12/15/22 10:55

Matrix: Solid

Date Received: 12/16/22 12:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42531	12/22/22 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42623	12/27/22 14:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42742	12/27/22 15:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			42260	12/19/22 17:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42031	12/16/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42110	12/18/22 23:51	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42017	12/16/22 13:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42032	12/16/22 17:26	CH	EET MID

Client Sample ID: BH40A

Lab Sample ID: 880-22828-4

Date Collected: 12/15/22 10:57

Matrix: Solid

Date Received: 12/16/22 12:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42531	12/22/22 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42623	12/27/22 15:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42742	12/27/22 16:17	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

Client Sample ID: BH40A

Lab Sample ID: 880-22828-4

Date Collected: 12/15/22 10:57

Matrix: Solid

Date Received: 12/16/22 12:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			42260	12/19/22 17:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42031	12/16/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42110	12/19/22 00:12	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42017	12/16/22 13:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42032	12/16/22 17:30	CH	EET MID

Client Sample ID: SW13A

Lab Sample ID: 880-22828-5

Date Collected: 12/15/22 11:07

Matrix: Solid

Date Received: 12/16/22 12:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42531	12/22/22 14:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42623	12/27/22 15:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42742	12/27/22 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			42260	12/19/22 17:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42031	12/16/22 13:32	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42110	12/19/22 00:34	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42017	12/16/22 13:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42032	12/16/22 17:35	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: GHD Services Inc.
Project/Site: Delek Queso Blanco

Job ID: 880-22828-1
SDG: 12592592

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-22828-1	BH6A	Solid	12/15/22 10:31	12/16/22 12:25	6.5
880-22828-2	BH3A	Solid	12/15/22 10:42	12/16/22 12:25	6.5
880-22828-3	BH18A	Solid	12/15/22 10:55	12/16/22 12:25	5.5
880-22828-4	BH40A	Solid	12/15/22 10:57	12/16/22 12:25	5
880-22828-5	SW13A	Solid	12/15/22 11:07	12/16/22 12:25	0-4

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



Environment Testing
Xenco

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: 2282

12/28/2022

SWOW SSOW-12592592-2022-002

www.xenco.com Page 1 of 1

[illegible]

Revised Date: 08-25-2020 Rev: 2020.4

Page 21 of 22

Released to Imaging: 12/8/2025 9:08:55 AM

Received by *OCD*: 10/3/2025 7:05:16 AM

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 880-22828-1

SDG Number: 12592592

Login Number: 22828

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	

Attachment C Photographic Log

Site Photographs



Photo 1 View to the east-northeast of the release area.



Photo 2 View to the southeast at the release area.



Photo 3 View of the LACT Units during remedial excavation activities.



Photo 4 View of the western portion of the remedial excavation.



Photo 5 View of the western portion of the remedial excavation following over-excavation activities.



Photo 6 View to the north at the eastern portion of the remedial excavation following over-excavation activities.



Photo 7 View to the east at the eastern portion of the remedial excavation following over-excavation activities.



Photo 8 View to the northeast following additional over-excavation activities.



Photo 9 View to the northeast following additional over-excavation activities.



Photo 10 View to the northeast following backfill and site restoration activities.

Appendix D

Sampling Notifications

From: [Harimon, Jocelyn, EMNRD](#)
To: [J.T. Murrey](#)
Cc: [Nobui, Jennifer, EMNRD](#)
Subject: FW: [EXTERNAL] Confirmation Sampling Notification - Delek Earthstone Squeeze and Queso Blanco
Date: Thursday, March 9, 2023 3:44:59 PM

J.T.

I did find this. I hope this is what you were looking for.

JH

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Monday, October 3, 2022 8:16 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: Fw: [EXTERNAL] Confirmation Sampling Notification - Delek Earthstone Squeeze and Queso Blanco

From: Christine Mathews <Christine.Mathews@ghd.com>
Sent: Sunday, October 2, 2022 4:08 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Cassie Whitefield <Cassie.Whitefield@deleklogistics.com>
Subject: [EXTERNAL] Confirmation Sampling Notification - Delek Earthstone Squeeze and Queso Blanco

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

After excavation and delineation, GHD Services, Inc., is notifying OCD on behalf of Delek Logistics Companies, (2) business days prior to conducting Confirmation Sampling on the following sites.

Sampling will begin at approximately 9:00 AM, Wednesday, October 5 2022 and continue through Thursday October 6, 2022 or until completed.

Site Name: Earthstone Squeeze
Surface Location: Unit N, Section 2, T22S, R34E, Lea County, NM
Lat/Long: 32.41427, -103.444 NAD83
NMOCD Incident Number: nAPP2223528506

Well Name: Queso Blanco
Surface Location: Unit M, Section 13, T22S R34E, Lea County, NM

Lat/Long: 32.3879056, -103.4300418 NAD83
NMOCD Incident Number: nAPP2223530289

If you have any questions or concerns please let me know.

Thank you,

Christine Mathews (she/her)
Project Manager

GHD

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6121 Indian School Rd NE Ste 200 Albuquerque NM 87110 USA

D 1 505 269 0088 **E** christine.mathews@ghd.com

The Power of Commitment

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From: [Enviro, OCD, EMNRD](#)
To: [J.T. Murrey](#)
Cc: [Bratcher, Michael, EMNRD](#); [Nobui, Jennifer, EMNRD](#)
Subject: RE: [EXTERNAL] Sample Notification
Date: Friday, December 9, 2022 2:12:21 PM
Attachments: [image007.png](#)
[image008.png](#)
[image009.png](#)
[image010.png](#)
[image011.png](#)

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Good afternoon J.T.,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

With warm winter greetings,
Jocelyn Harimon

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: J.T. Murrey <JT.Murrey@ghd.com>
Sent: Friday, December 9, 2022 12:14 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Sample Notification

To Whom it May Concern,

GHD on behalf of Delek Resources, respectfully submits notification of sampling to be conducted at the below location:.

Queso LACT Unit
M-13-22S-34E
Lea County, NM
nAPP2223530289

Sampling will be conducted at 9:00 a.m. on Thursday, December 15, 2022.

Thanks

J.T. Murrey

GHD

Proudly employee-owned | ghd.com

2135 S. Loop 250 West, Midland, TX 79703 USA

M 361 252 6136 | E jt.murrey@ghd.com

All GHD offices will be closed from December 26, 2022 thru January 6, 2023. Offices will re-open on January 9, 2023.

Merry Christmas and Happy New Year!!!

GHD FIRST 24 Hour Emergency Response

US: 866 812 9565

Canada: 800 679 9082

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From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>

Sent: Thursday, November 3, 2022 3:25 PM

To: J.T. Murrey <JT.Murrey@ghd.com>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Sample Notification

You don't often get email from jennifer.nobui@emnrd.nm.gov. [Learn why this is important](#)

J.T.

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Sent: Thursday, November 3, 2022 10:58 AM

To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Sample Notification

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division

1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@state.nm.us
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: J.T. Murrey <JT.Murrey@ghd.com>
Sent: Thursday, November 3, 2022 9:58 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Cassie Whitefield <Cassie.Whitefield@deleklogistics.com>
Subject: [EXTERNAL] Sample Notification

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To Whom it May Concern,

GHD on behalf of Delek Resources, respectfully submits notification of sampling to be conducted at the below location:.

Queso LACT Unit
M-13-22S-34E
Lea County, NM
nAPP2223530289

Sampling will be conducted at 9:00 a.m. on Monday, November 7, 2022.

Thanks

J.T. Murrey

GHD

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2135 S. Loop 250 West, Midland, TX 79703 USA
M 361 252 6136 | **E** jt.murrey@ghd.com

GHD FIRST 24 Hour Emergency Response

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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 511920

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 511920
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2223530289
Incident Name	NAPP2223530289 QUESO BLANCO @ N-13-22S-34E
Incident Type	Oil Release
Incident Status	Deferral Request Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	QUESO BLANCO
Date Release Discovered	08/20/2022
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Human Error Valve Crude Oil Released: 16 BBL Recovered: 16 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 511920

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 511920
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 10/03/2025
--	--

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 511920

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 511920
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	181
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	13700
GRO+DRO (EPA SW-846 Method 8015M)	8056
BTEX (EPA SW-846 Method 8021B or 8260B)	0.8
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	08/29/2022
On what date will (or did) the final sampling or liner inspection occur	12/15/2022
On what date will (or was) the remediation complete(d)	12/15/2022
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	8300
What is the estimated volume (in cubic yards) that will be remediated	1980
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 511920

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 511920
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112340644 R360 ARTESIA LLC LANDFARM
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 10/03/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 511920

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 511920
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Contamination left on site is left immediately around and under the LACT units onsite. Contamination is delineated and will be removed once the LACT unit has been removed or the facility is deconstructed, whichever comes first. Approximately an area of 30'x35'x3'(deep) will need to be excavated to remove the remaining contamination.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1050
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	116
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	fAPP2220951081 Queso Blanco 13 CTB 1
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 10/03/2025

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QUESTIONS, Page 6

Action 511920

QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 511920
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 511920

CONDITIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 511920
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	12/8/2025