



January 5, 2024
Devon Energy Production Company, LP
205 E Bender Blvd
Hobbs, NM 88240

Attn: New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Release Investigation and Closure Report

Red Bull 31 State 4H (nAPP2330528533)
Unit A, Section 31, Township 23 South, Range 35 East
32.2673378°, -103.3993607°
Lea County, New Mexico
Terracon Project No. KH237046

Terracon Consultants, Inc. (Terracon) is pleased to submit our Release Investigation and Closure Report for the site referenced above. The scope of services was developed in accordance with the New Mexico Oil Conservation Division (NMOCD) regulations concerning clean-up actions required for releases of crude oil and produced water. The investigative response actions were taken as the result of a stainless-steel line breaking at a connection on the pumpjack. The below sections detail Terracon's assessment and remediation actions in response to the noted release.

Action Items

Completed Actions

- 1) Initial site assessment and sampling events completed.
- 2) All conditions needed for approval of closure have been provided.
- 3) All Maps and associated data for approval have been provided.
- 4) Conducted an initial site assessment and a series of sampling events.
- 5) Soil samples were collected every 200 square ft.
- 6) Soil samples were submitted to an approved analytical laboratory to determine levels of impact vertically and horizontally.
- 7) Soil sampling indicated impacts were below NMOCD action levels for oil and gas impacted sites.

Devon Energy Production Company, LP
Red Bull 31 State 4H
32.2673378°, -103.3993607°
NMOCD Reference # nAPP2330528533
Terracon Project # KH237046



Anticipated Actions

1) Approval by the NMOCD.

Terracon appreciates this opportunity to provide environmental services to Devon Energy Production Company, LP (Devon). Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,



A handwritten signature in black ink, appearing to read 'Travis Casey'.

Travis Casey
Senior Staff Scientist
Carlsbad

A handwritten signature in black ink, appearing to read 'John Grams'.

John Grams, P.G. (TX)
Environmental Department Manager
Lubbock

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Attachments:

Appendix A – Exhibits

- Exhibit 1 – Topographic Map
- Exhibit 2 – Site Location Map
- Exhibit 3 – Confirmation Sample Map
- Exhibit 4 – NMOSE POD Location Map
- Exhibit 5 – Designated Wetland Area Map
- Exhibit 6 – CFO Karst Potential Map

Appendix B – Tables and Well Data

- Table 1 – Soil Sample Analytical Results

Appendix C – Photographic Log

Appendix D – Analytical Report and Chain of Custody

Appendix E – Initial Form C-141 and Final Form C-141

Appendix F – Terracon Standard of Care, Limitation, and Reliance

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Section 1 – Incident Information

The following table provides detailed information regarding the October 31, 2023, release at the Red Bull 31 State 4H (Red Bull) site in Lea County, New Mexico:

Required Information	Site and Release information	
Responsible party	The pipeline is operated by Devon Energy Production Company, LP.	
Local contact	Contact: Mr. Dale Woodall	P: (575)-748-1838 Email: dale.woodall@divn.com
NMOCD Notification	Notice of the release was provided to the NMOCD District 2 Artesia Office by Mr. Dale Woodall on October 31, 2023. NMOCD Reference ID: nAPP2330528533	
Facility Description	Red Bull State 31 State 4H is in Lea County, New Mexico. The site is located within Unit A, Section 31, Township 23 South, Range 35 East, approximately 16.17 miles northwest of Jal, New Mexico. The site is an operational Pad for oil and gas production with a single pumpjack, surrounded by native pastureland and privately owned.	
Time of incident	October 31, 2023, discovered during routine maintenance.	
Discharge event	A produced water stainless-steel line broke at a connection. The source of the spill was isolated and stopped. The Site is illustrated in Exhibits 1 and 2 of Appendix A.	
Type of discharge	The documented produced water release occurred on an operational Pad which was surrounded by privately owned, native pastureland.	
Quantity of spilled material	Total Fluids: 51 bbls	Produced water: 51 bbls
Site characteristics	Relatively flat with drainage following the natural ground surface.	
Impacted Soil Dimensions	1,478 square feet of impacted surface soil.	
Immediate corrective actions	The damaged connection was closed in at the nearest isolation point and repaired.	

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Section 2 – General Site Characteristics

Physical Characteristic	Site Ranking Characteristics
Groundwater NMOSE POD Location Map – (Exhibit 4 in Appendix A)	<u>POD Number:</u> (CP-00614 POD 2) <u>Depth to Groundwater:</u> 320 ft. bgs <u>Distance to Well:</u> 0.25 miles to the northeast <u>Date Drilled:</u> November 20, 2018 <u>Groundwater Quality:</u> Groundwater at the site is predominately used for livestock production.
Surface Water NM Wetland Map – (Exhibit 5 in Appendix A)	Freshwater pond (Jal Lake Park), approximately 16.75 miles to the Southeast.
100-Year Flood Plain	This site is located outside the 100-year flood plain of the Pecos River.
Soil Characteristics	Soils at the site are mapped as Berino-Dune Land Complex series soils, 0 to 3 percent slopes, well-drained, few fine roots; very porous; neutral; gradual smooth boundary. (3 to 14 inches thick). The formation is categorized with a low runoff classification.
Karst Characterization CFO Karst Potential Map – (Exhibit 6 in Appendix A)	Terracon evaluated data from the BLM Carlsbad Field Office's publicly available spatial data, and Karst map designations in reference to the site location. The site appears to be within a low-level Karst risk area. Based on site observations within the extent of the release margins, the potential for Karst formations in this specific area is low, as illustrated in Exhibit 6. Restrictive features were not encountered from surface to 60 inches below grade surface (bgs) within the release margins. The release did not extend greater than 60 inches bgs.

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Section 3 – Regulatory Framework and Response Action Levels

Oil and gas exploration and production facilities in New Mexico are generally regulated by the New Mexico Oil Conservation Division (NMOCD). The NMOCD has issued the *Closure Criteria for Soils Impacted by a Release, June 21, 2018*, and *Restoration, Reclamation, and Re-vegetation (19.15.29.13) NMAC – D (Reclamation of areas no longer in use)* as guidance documents for the remediation and reclamation of sites impacted by releases from oil and gas exploration and production activities.

Section 3.1 – Reclamation Levels (Surface to 4 ft. bgs on pad)

The below Reclamation Limits for chlorides, Total Petroleum Hydrocarbons (TPH (GRO+DRO+MRO)), BTEX (includes benzene, toluene, ethylbenzene, and xylenes), and benzene are defined within the New Mexico Administration Code (NMAC) *Restoration, Reclamation, and Re-vegetation (19.15.29.13) New Mexico Administration Code (NMAC) – D (Reclamation of areas no longer in use)* for soils extending to 4 ft. bgs.:

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

*Milligrams per kilogram (mg/kg)

Section 3.2 – Remediation Levels (> 4 ft. bgs)

Based on the lack of a well within 0.5 miles of the site, the site was remediated to the most conservative standard. the applicable NMOCD remediation levels for Total BTEX, chloride, and TPH within soils, exclusive of the Reclamation Zone (surface to 4 ft. bgs), are as follows:

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

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Section 4 – Remediation Activities

On November 9, 2023, and November 15, 2023, Terracon mobilized to the site, to perform a release investigation.

Section 5 - Remediation Confirmation Assessment

A total of 63 grab soil samples were collected from the impacted area and the surrounding non impacted soils. The samples were placed in laboratory provided sample containers, preserved with ice, and transported under a chain of custody to Eurofin Laboratories, Inc. in Carlsbad, New Mexico for analysis of BTEX, TPH, and chlorides.

Section 6 – Analytical Results

Eleven of the 63 soil samples collected exhibited TPH concentrations above sample detection limits (SDLs). The detected TPH concentrations ranged from 59.0 mg/kg in sample F-1 (2-2.5 bgs) to 118 mg/kg in sample J-1 (2-2.5 bgs). All TPH detections were below the NMOCD closure criteria of 2,500 mg/kg for this site.

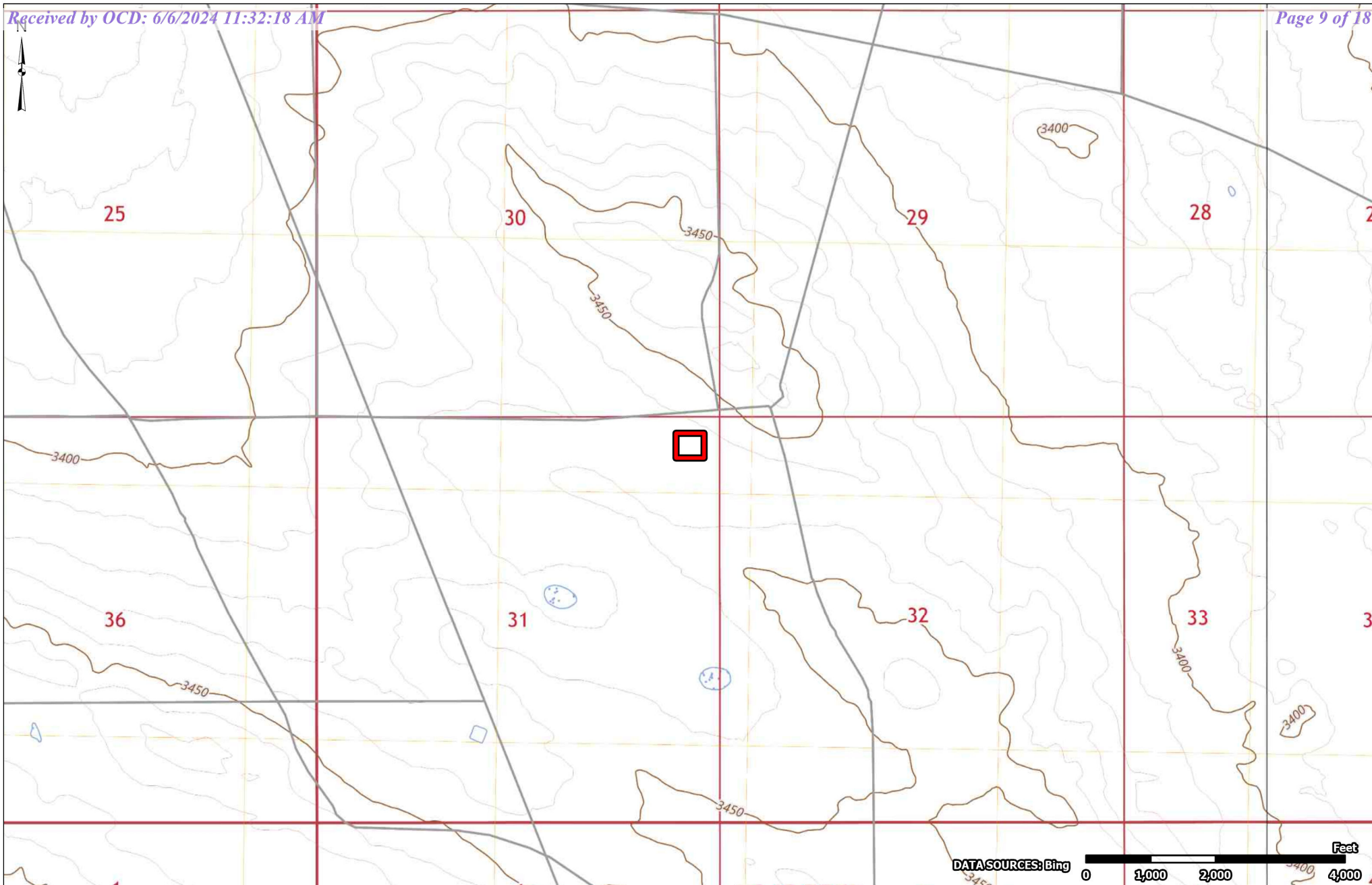
Sixty-one (61) of the 63 soil samples collected from the area of the release exhibited concentrations of chloride above laboratory SDLs. Chloride concentrations ranged from 5.31 mg/kg in DS-15 (1-1.5 feet) to 1290 mg/kg in DS-5 (1-1.5 feet). All the chloride sample results were below the NMOCD closure criteria of 20,000 mg/kg for this site.

A summary of BTEX, chloride, and TPH concentrations of all collected soil samples is attached as Table 1.

Section 7 – Conclusion and Closure Request

The laboratory results from soil sampling indicate soil conditions at the Red Bull 31 State 4H facility meet the closure criteria outlined in NMAC 19.15.29.12. Terracon respectfully requests regulatory closure of incident nAPP2330528533 on the behalf of Devon Energy Production Company, LP.

APPENDIX A – EXHIBITS



 Site Boundary

Project No.:
KH237046
Date:
Dec 01 2023
Drawn By:
JWL
Reviewed By:
JRG



4526 W Pierce St
Carlsbad, NM

PH. 806-300-0140

terracon.com

Topographic Map

Red Bull 31 State 4H
Lea County, New Mexico
32.2672986, -103.3993664

Exhibit

1



 Infered Release

Project No.:	KH237046
Date:	Dec 01 2023
Drawn By:	JWL
Reviewed By:	JRG



4526 W Pierce St
Carlsbad, NM

PH. 806-300-0140

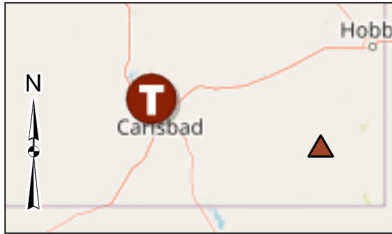
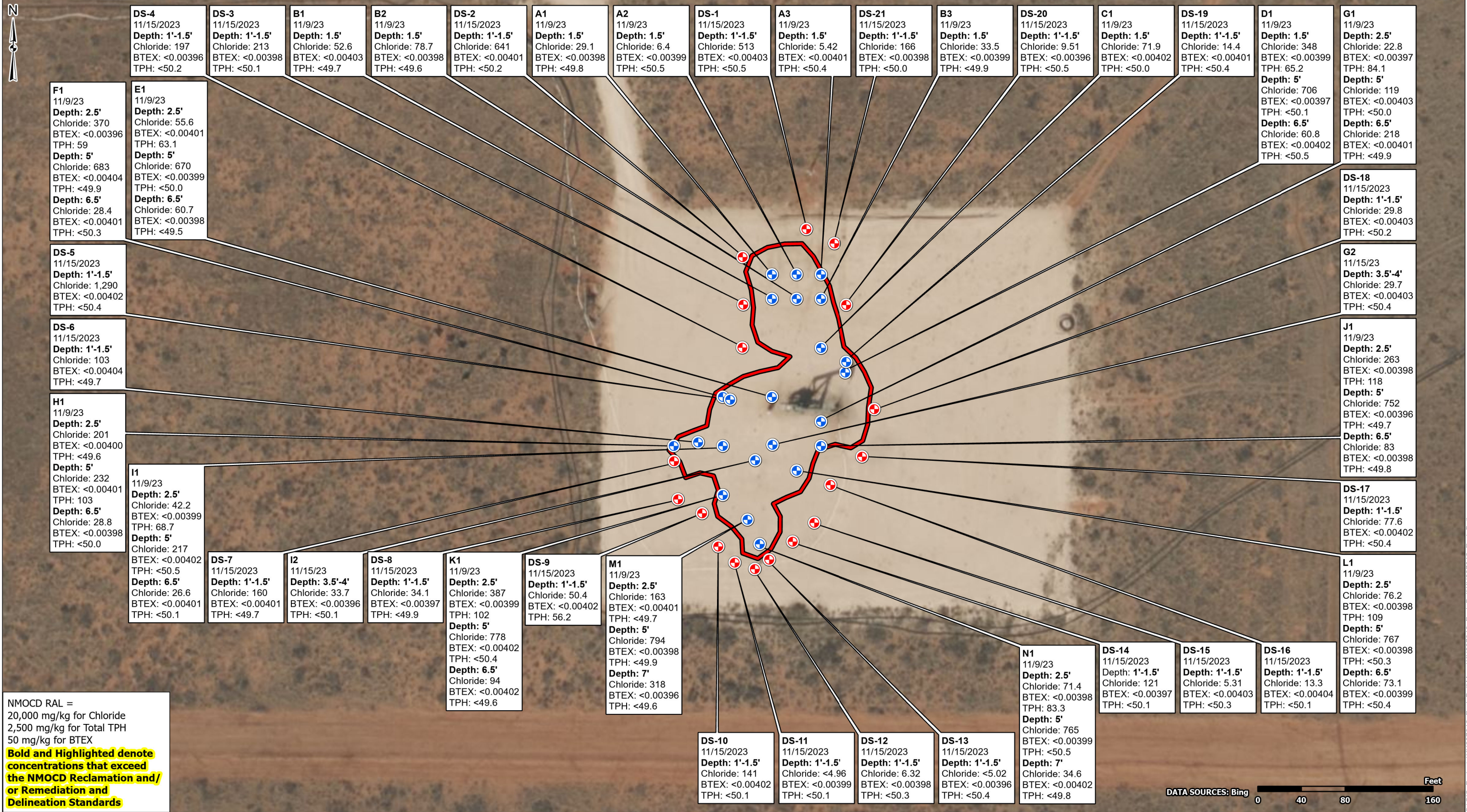
terracon.com

Site Location Map

Red Bull 31 State 4H
Lea County, New Mexico
32.2672986, -103.3993664

Exhibit

2



Inferred Release

Sample Location

Interior

Boundary

Project No.: KH237046

Date: Dec 13 2023

Drawn By: JWL

Reviewed By: JRG



4526 W Pierce St
Carlsbad, NM

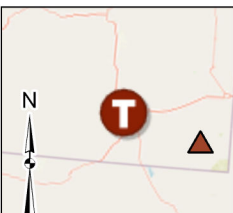
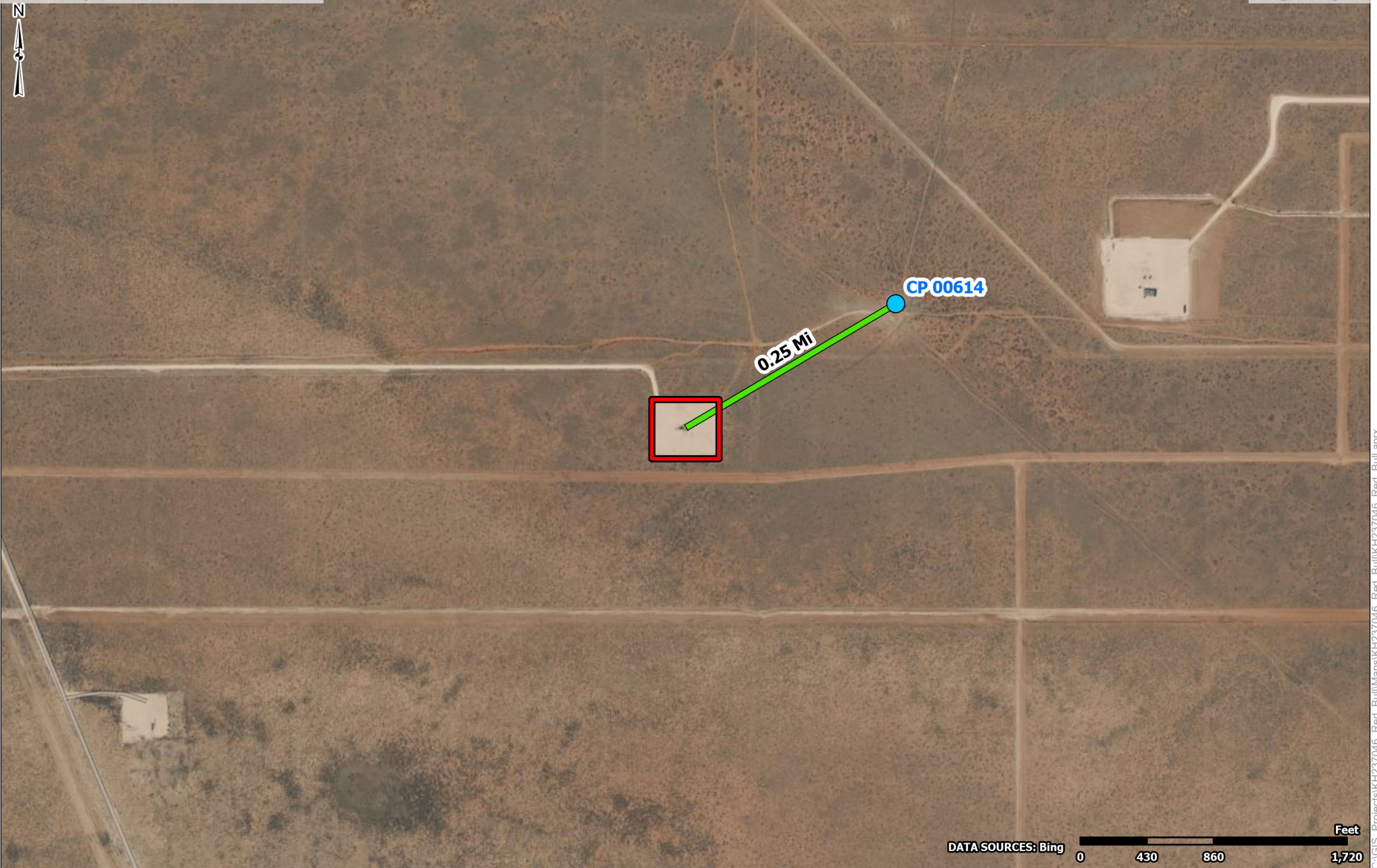
PH. 806-300-0140 terracon.com

Site Sample Map

Red Bull 31 State 4H
Lea County, New Mexico
32.2672986, -103.3993664

Exhibit

3



-  Site Boundary
-  NMOSE PODS Location

Project No.:
KH237046

Date:
Dec 28 2023

Drawn By:
JWL

Reviewed By:
JRG

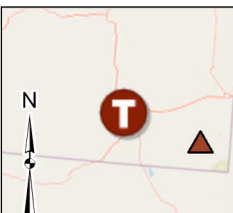
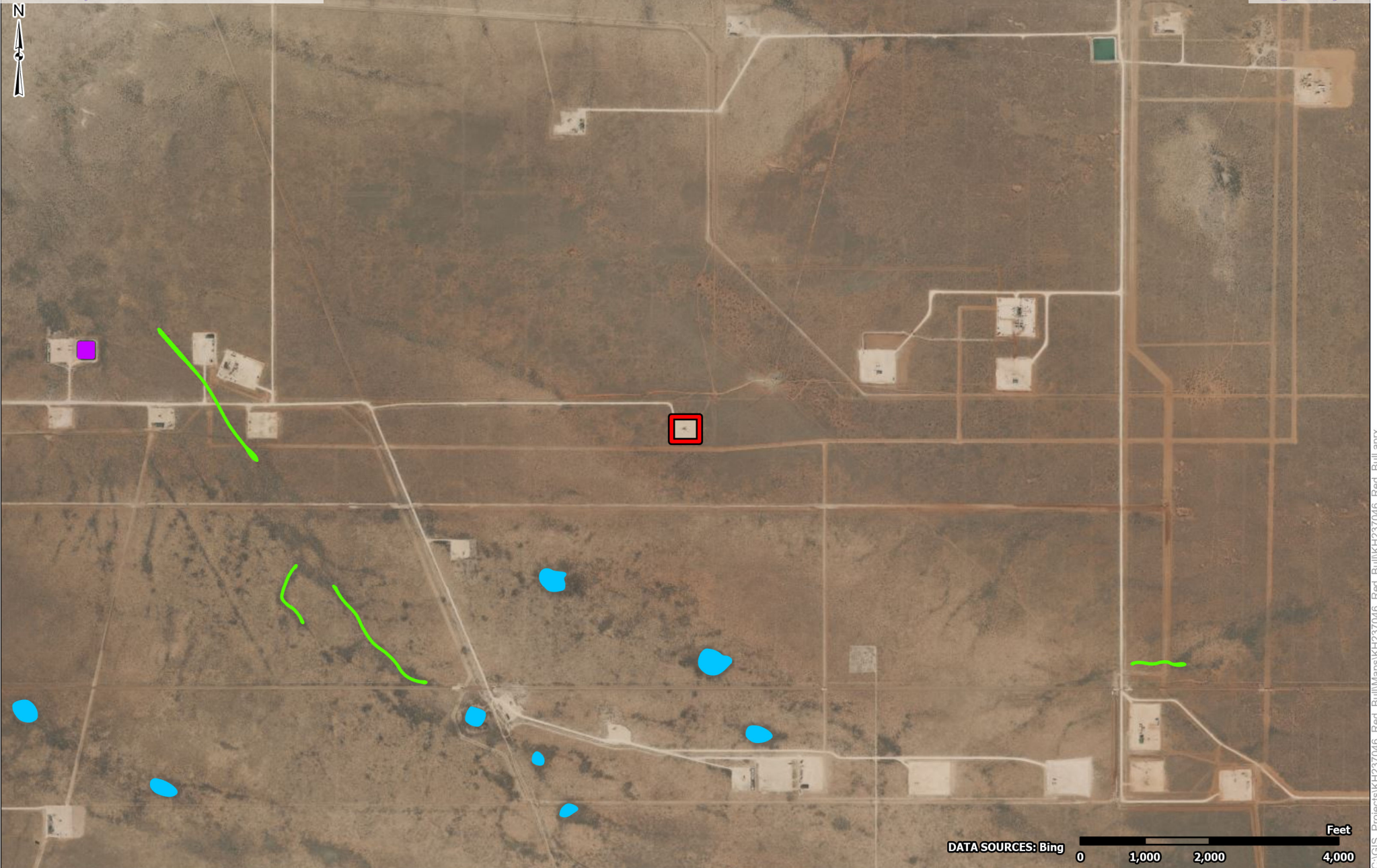

4526 W Pierce St
Carlsbad, NM
PH. 806-300-0140 terracon.com

NMOSE POD Location Map

Red Bull 31 State 4H
Lea County, New Mexico
32.2672986, -103.3993664

Exhibit

4



- Site Boundary
- Freshwater Emergent Wetland
- Freshwater Pond
- Riverine

Project No.:
KH237046

Date:
Dec 28 2023

Drawn By:
JWL

Reviewed By:
JRG

Terracon

4526 W Pierce St
Carlsbad, NM

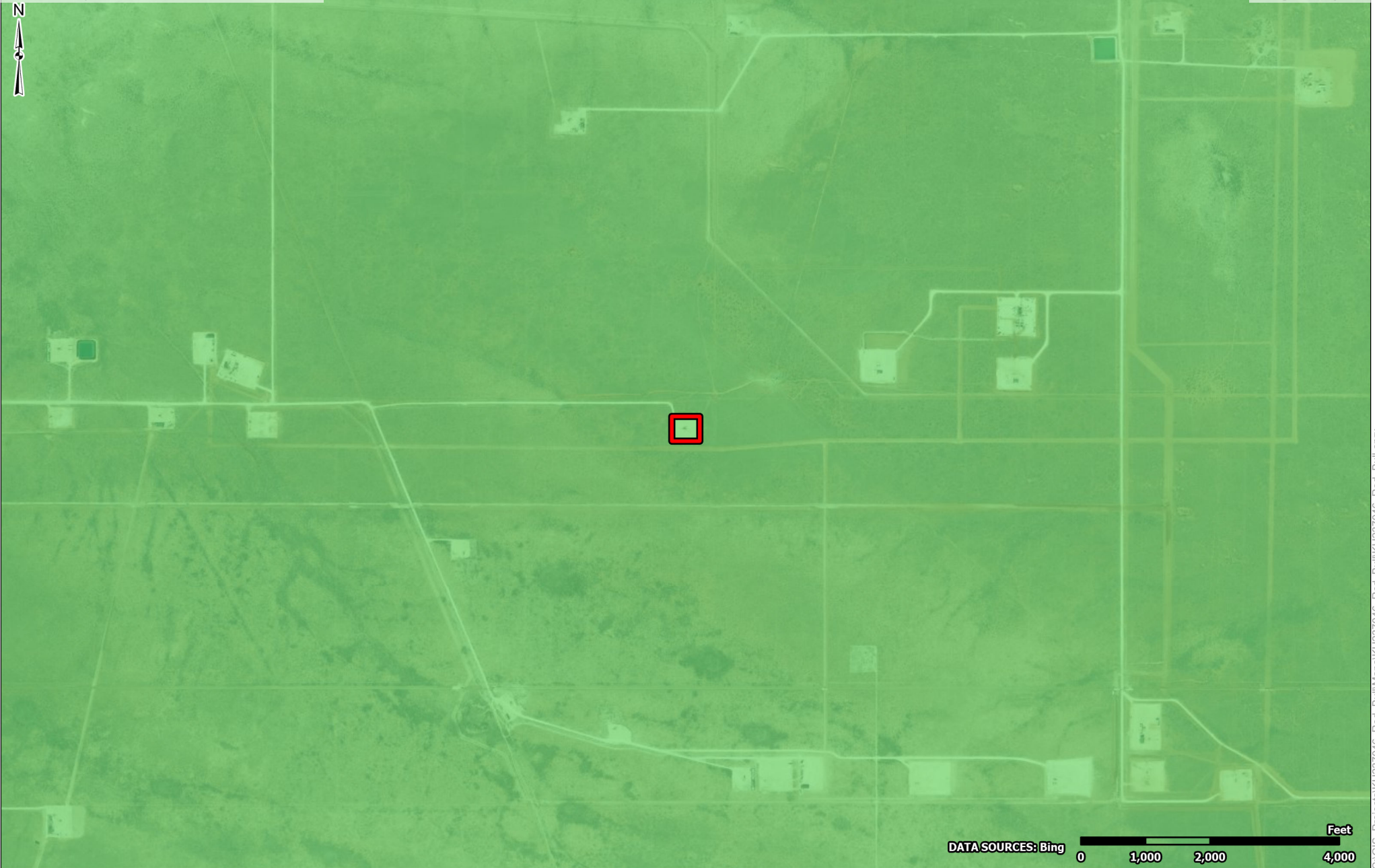
PH. 806-300-0140 terracon.com

Designated Wetland Area Map

Red Bull 31 State 4H
Lea County, New Mexico
32.2672986, -103.3993664

Exhibit

5



DATA SOURCES: Bing

0 1,000 2,000 4,000

Feet



- Site Boundary
- Karst Potential
 - Low
 - Medium
 - High

Project No.: KH237046

Date: Dec 28 2023

Drawn By: JWL

Reviewed By: JRG



4526 W Pierce St
Carlsbad, NM

PH. 806-300-0140 terracon.com

Cave Karst Public UCP Map

Red Bull 31 State 4H
Lea County, New Mexico
32.2672986, -103.3993664

Exhibit

6

C:\GIS\Projects\KH237046 - Red Bull\Map\KH237046 - Red Bull.aprx

APPENDIX B – TABLES AND WELL DATA



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4 Sec Tws Rng	X	Y
221BF	CP 00614 POD2	4 3 3 29 23S 35E	651102	3571401

x

Driller License:	1706	Driller Company:	ELITE DRILLERS CORPORATION
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Driller Name:	WALLACE, BRYCE J.LEE.NER
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Drill Start Date:	11/20/2018	Drill Finish Date:	11/23/2018	Plug Date:	
--------------------------	------------	---------------------------	------------	-------------------	--

Log File Date:	03/01/2019	PCW Rcv Date:		Source:	Shallow
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Pump Type:		Pipe Discharge Size:		Estimated Yield:	35 GPM
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Casing Size:	7.60	Depth Well:	440 feet	Depth Water:	320 feet
---------------------	------	--------------------	----------	---------------------	----------

x

Water Bearing Stratifications:	Top	Bottom	Description
	250	360	Sandstone/Gravel/Conglomerate
	360	390	Sandstone/Gravel/Conglomerate
	390	420	Sandstone/Gravel/Conglomerate

x

Casing Perforations:	Top	Bottom
	300	440

x

Meter Number:	18965	Meter Make:	TURBINES INC
Meter Serial Number:	2006262	Meter Multiplier:	1.0000
Number of Dials:	7	Meter Type:	Diversion
Unit of Measure:	Barrels 42 gal.	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

x

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
01/07/2019	2019	0	A	RPT		0
03/31/2019	2019	3119	A	RPT		0.402
07/01/2019	2019	59656	A	RPT		7.287
08/02/2019	2019	66066	A	RPT		0.826
09/01/2019	2019	74191	A	RPT		1.047
10/07/2019	2019	84708	A	RPT	RPT had 840707.966	1.356
11/04/2019	2019	93820	A	RPT		1.174
12/03/2019	2019	138145	A	RPT		5.713
02/01/2020	2020	178016	A	RPT		5.139
03/02/2020	2020	207585	A	RPT		3.811
04/13/2020	2020	28729	A	RPT	initial read for new meter	0
04/13/2020	2020	217794	A	RPT	Final Meter Read	1.316
05/04/2020	2020	36326	A	RPT		0.979
06/04/2020	2020	64019	A	RPT		3.569
07/02/2020	2020	87365	A	RPT		3.009
08/03/2020	2020	116878	A	RPT		3.804
10/09/2020	2020	150197	A	RPT		4.295
11/06/2020	2020	177172	A	RPT		3.477

12/14/2020	2020	193192	A	RPT	2.065
01/07/2021	2020	203980	A	RPT	1.391
02/05/2021	2021	233044	A	RPT	3.746
08/02/2021	2021	51144	A	ad	0
09/01/2021	2021	51144	A	ad	0
10/05/2021	2021	82316	A	ad	4.018
11/04/2021	2021	97536	A	ad	1.962
12/14/2021	2021	128306	A	ad	3.966
01/01/2022	2022	129650	A	ad	0.173
02/08/2022	2022	129650	A	ad	0
03/02/2022	2022	129650	A	ad	0
04/01/2022	2022	129650	A	ad	0
05/10/2022	2022	129964	A	ad	0.040
06/07/2022	2022	129964	A	ad	0
09/05/2022	2022	129964	A	ad	0
10/10/2022	2022	129964	A	ad	0
11/10/2022	2022	129964	A	ad	0
05/09/2023	2023	129964	A	ad	0
06/07/2023	2023	129964	A	ad	0
07/03/2023	2023	129964	A	ad	0
08/09/2023	2023	129964	A	ad	0
09/30/2023	2023	129964	A	ad	0
10/09/2023	2023	129964	A	ad	0

x		
**YTD Meter Amounts:	Year	Amount
	2019	17.805
	2020	32.855
	2021	13.692
	2022	0.213
	2023	0

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.

12/12/23 8:10 AM

POINT OF DIVERSION SUMMARY

Table 1
Soil Analytical Results Summary - Release Assessment
Red Bull - KH237046
NMOCD Reference No. nAPP2330528533

Sample ID	Sample Date	Sample Start Depth (ft bgs)	Sample Final Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
						EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Release Assessment												
A-1	11/9/2023	1	1.5	Grab	In-situ	29.1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8
A-2	11/9/2023	1	1.5	Grab	In-situ	6.40	<0.00200	<0.00399	<50.5	<50.5	<50.5	<50.5
A-3	11/9/2023	1	1.5	Grab	In-situ	5.42	<0.00200	<0.00401	<50.4	<50.4	<50.4	<50.4
B-1	11/9/2023	1	1.5	Grab	In-situ	52.6	<0.00202	<0.00403	<49.7	<49.7	<49.7	<49.7
B-2	11/9/2023	1	1.5	Grab	In-situ	78.7	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6
B-3	11/9/2023	1	1.5	Grab	In-situ	33.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9
C-1	11/9/2023	1	1.5	Grab	In-situ	71.9	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0
D-1	11/9/2023	1	1.5	Grab	In-situ	348	<0.00200	<0.00399	65.2	65.2	<50.2	<50.2
	11/9/2023	6	6.5	Grab	In-situ	60.8	<0.00201	<0.00402	<50.5	<50.5	<50.5	<50.5
	11/9/2023	4.5	5	Grab	In-situ	706	<0.00198	<0.00397	<50.1	<50.1	<50.1	<50.1
E-1	11/9/2023	2	2.5	Grab	In-situ	55.6	<0.00200	<0.00401	63.1	63.1	<49.8	<49.8
	11/9/2023	4.5	5	Grab	In-situ	670	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0
	11/9/2023	6	6.5	Grab	In-situ	60.7	<0.00199	<0.00398	<49.5	<49.5	<49.5	<49.5
F-1	11/9/2023	2	2.5	Grab	In-situ	370	<0.00198	<0.00396	59	59	<49.8	<49.8
	11/9/2023	4.5	5	Grab	In-situ	683	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9
	11/9/2023	6	6.5	Grab	In-situ	28.4	<0.00200	<0.00401	<50.3	<50.3	<50.3	<50.3
G-1	11/9/2023	2	2.5	Grab	In-situ	22.8	<0.00198	<0.00397	84.1	84.1	<50.5	<50.5
	11/9/2023	4.5	5	Grab	In-situ	119	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0
	11/9/2023	6	6.5	Grab	In-situ	218	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9
G-2	11/15/2023	3.5	4	Grab	In-situ	29.7	<0.00202	<0.00403	<50.4	<50.4	<50.4	<50.4
H-1	11/9/2023	2	2.5	Grab	In-situ	201	<0.00200	<0.00400	<49.6	<49.6	<49.6	<49.6
	11/9/2023	4.5	5	Grab	In-situ	232	<0.00200	<0.00401	103	103	<49.9	<49.9
	11/9/2023	6	6.5	Grab	In-situ	28.8	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0
I-1	11/9/2023	2	2.5	Grab	In-situ	42.2	<0.00200	<0.00399	68.7	68.7	<50.3	<50.3
	11/9/2023	4.5	5	Grab	In-situ	217	<0.00201	<0.00402	<50.5	<50.5	<50.5	<50.5
	11/9/2023	6	6.5	Grab	In-situ	26.6	<0.00200	<0.00401	<50.1	<50.1	<50.1	<50.1
I-2	11/15/2023	3.5	4	Grab	In-situ	33.7	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1
NMOCD Remediation Standards ⁴ (Greater than Depths of 4 ft bgs) (On Pad)						20,000	10	50	2,500	1,000	N/A	

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes

2. TPH = Total petroleum hydrocarbons

3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs

4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018

< = Constituent was not detected above the indicated laboratory sample detection limit (SDL).

NA = Not Analyzed

Bold denotes concentrations above applicable laboratory SDLs.

Bold and Highlighted denote concentrations that exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.

In-situ = Sample is representative of material which remains in-place at the site.

Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.

Table 1
Soil Analytical Results Summary - Release Assessment
Red Bull - KH237046
NMOCD Reference No. nAPP2330528533

Sample ID	Sample Date	Sample Start Depth (ft bgs)	Sample Final Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
						EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Release Assessment												
J-1	11/9/2023	2	2.5	Grab	In-situ	263	<0.00199	<0.00398	118	118	<50.4	<50.4
	11/9/2023	4.5	5	Grab	In-situ	752	<0.00198	<0.00396	<49.7	<49.7	<49.7	<49.7
	11/9/2023	6	6.5	Grab	In-situ	83.0	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8
K-1	11/9/2023	2	2.5	Grab	In-situ	387	<0.00200	<0.00399	102	102	<50.1	<50.1
	11/9/2023	4.5	5	Grab	In-situ	778	<0.00201	<0.00402	<50.4	<50.4	<50.4	<50.4
	11/9/2023	6	6.5	Grab	In-situ	94.0	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6
L-1	11/9/2023	2	2.5	Grab	In-situ	76.2	<0.00199	<0.00398	109	109	<50.0	<50.0
	11/9/2023	4.5	5	Grab	In-situ	767	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3
	11/9/2023	6	6.5	Grab	In-situ	73.1	<0.00200	<0.00399	<50.4	<50.4	<50.4	<50.4
M-1	11/9/2023	2	2.5	Grab	In-situ	163	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7
	11/9/2023	4.5	5	Grab	In-situ	794	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9
	11/9/2023	6.5	7	Grab	In-situ	318	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6
N-1	11/9/2023	2	2.5	Grab	In-situ	71.4	<0.00199	<0.00398	83.3	83.3	<50.5	<50.5
	11/9/2023	4.5	5	Grab	In-situ	765	<0.00200	<0.00399	<50.5	<50.5	<50.5	<50.5
	11/9/2023	6.5	7	Grab	In-situ	34.6	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8
NMOC Remediation Standards ⁴ (Greater than Depths of 4 ft bgs) (On Pad)						20,000	10	50	2,500	1,000		N/A

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes

2. TPH = Total petroleum hydrocarbons

3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs

4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018

< = Constituent was not detected above the indicated laboratory sample detection limit (SDL).

NA = Not Analyzed

Bold denotes concentrations above applicable laboratory SDLs.

Bold and Highlighted denote concentrations that exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.

In-situ = Sample is representative of material which remains in-place at the site.

Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.

Table 1
Soil Analytical Results Summary - Release Assessment
Red Bull - KH237046
NMOCD Reference No. nAPP2330528533

Sample ID	Sample Date	Sample Start Depth (ft bgs)	Sample Final Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
						EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Release Assessment												
DS-1	11/15/2023	1	1.5	Grab	In-situ	513	<0.00202	<0.00403	<50.5	<50.5	<50.5	<50.5
DS-2	11/15/2023	1	1.5	Grab	In-situ	641	<0.00200	<0.00401	<50.2	<50.2	<50.2	<50.2
DS-3	11/15/2023	1	1.5	Grab	In-situ	213	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1
DS-4	11/15/2023	1	1.5	Grab	In-situ	197	<0.00198	<0.00396	<50.2	<50.2	<50.2	<50.2
DS-5	11/15/2023	1	1.5	Grab	In-situ	1290	<0.00201	<0.00402	<50.4	<50.4	<50.4	<50.4
DS-6	11/15/2023	1	1.5	Grab	In-situ	103	<0.00202	<0.00404	<49.7	<49.7	<49.7	<49.7
DS-7	11/15/2023	1	1.5	Grab	In-situ	160	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7
DS-8	11/15/2023	1	1.5	Grab	In-situ	34.1	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9
DS-9	11/15/2023	1	1.5	Grab	In-situ	50.4	<0.00201	<0.00402	56.2	56.2	<50.0	<50.0
DS-10	11/15/2023	1	1.5	Grab	In-situ	141	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1
DS-11	11/15/2023	1	1.5	Grab	In-situ	<4.96	<0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1
DS-12	11/15/2023	1	1.5	Grab	In-situ	6.32	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3
DS-13	11/15/2023	1	1.5	Grab	In-situ	<5.02	<0.00198	<0.00396	<50.4	<50.4	<50.4	<50.4
DS-14	11/15/2023	1	1.5	Grab	In-situ	121	<0.00198	<0.00397	<50.1	<50.1	<50.1	<50.1
DS-15	11/15/2023	1	1.5	Grab	In-situ	5.31	<0.00202	<0.00403	<50.3	<50.3	<50.3	<50.3
DS-16	11/15/2023	1	1.5	Grab	In-situ	13.3	<0.00202	<0.00404	<50.1	<50.1	<50.1	<50.1
DS-17	11/15/2023	1	1.5	Grab	In-situ	77.6	<0.00201	<0.00402	<50.4	<50.4	<50.4	<50.4
DS-18	11/15/2023	1	1.5	Grab	In-situ	29.8	<0.00202	<0.00403	<50.2	<50.2	<50.2	<50.2
DS-19	11/15/2023	1	1.5	Grab	In-situ	14.4	<0.00200	<0.00401	<50.4	<50.4	<50.4	<50.4
DS-20	11/15/2023	1	1.5	Grab	In-situ	9.51	<0.00198	<0.00396	<50.5	<50.5	<50.5	<50.5
DS-21	11/15/2023	1	1.5	Grab	In-situ	166	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0
NMOCD Remediation Standards ⁴ (Greater than Depths of 4 ft bgs) (On Pad)						20,000	10	50	2,500	1,000	N/A	

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes

2. TPH = Total petroleum hydrocarbons

3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs

4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018

< = Constituent was not detected above the indicated laboratory sample detection limit (SDL).

NA = Not Analyzed

Bold denotes concentrations above applicable laboratory SDLs.

Bold and Highlighted denote concentrations that exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.

In-situ = Sample is representative of material which remains in-place at the site.

Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.

APPENDIX C – PHOTOGRAPHIC LOG



Photo 1:

View of impacted area



Photo 2:

View of impacted area



Photo 3: View of impacted area



Photo 4: View of impacted area

APPENDIX D – ANALYTICAL REPORT AND CHAIN OF CUSTODY



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Joseph Guesnier
Terracon Consulting Eng & Scientists
2526 W Pierce Street
Carlsbad, New Mexico 88220

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JOB DESCRIPTION

RED BULL
KH237046

JOB NUMBER

890-5612-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Eurofins Carlsbad

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments. QC data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Coliform MCLs

· Based on the EPA primary drinking water standard MCL for total coliforms, a water supply is considered bacteriologically "SAFE" if no coliform bacteria are detected. To be considered "SAFE" your report should indicate "<1 cfu/100mL" or "NEG" for the coliform test. If you report indicates a positive result "POS" or a value greater than or equal to one, then your supply is "UNSAFE FOR DRINKING" contact your local health department.

Warranties, Terms, and Conditions

· Analyses for Field Parameters are performed by Eurofins Philadelphia field staff. Locations and certifications are identified on the Chain of Custody as follows:

ERF = field staff performs tests under NJ State certification # 02015.

VL = field staff performs tests under NJ State certification # 06005.

WG = field staff performs tests under NJ State certification # PA001, PA State certification # 48-01334.

H = field staff performs tests under NJ NELAP certification # PA093, PA NELAP certification # 46-05499.

· Test results meet all TNI or other applicable regulatory agency requirements, including holding times and preservation, unless otherwise indicated.

· The report shall not be reproduced, except in full, without the written consent of the laboratory

· All samples are collected as "grab" samples unless otherwise identified.

· Reported results related only to the samples as tested. Eurofins Philadelphia is not responsible for sample integrity unless sampling has been performed by a member of our staff.

· Eurofins Philadelphia is not responsible for sampling and/or testing omissions. Note that regulatory authorities may assess substantial fines for testing omissions. Please track your sample collection schedules and results on a regular basis (e.g. weekly, monthly, or quarterly) to ensure compliance.

· Eurofins' online data portal "TotalAccess" will provide you with real-time access to collection dates and testing results. Please contact Client Services for further information.

· The following personnel or their deputies have approved the results of the tests performed by Eurofins Philadelphia : Nicki Smith (Environmental Chemistry) and Jacqueline Gartner (Water Microbiology).



Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Laboratory Job ID: 890-5612-1
SDG: KH237046

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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
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.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Job ID: 890-5612-1

Laboratory: Eurofins Carlsbad

Narrative**Job Narrative
890-5612-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 11/10/2023 10:31 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 8.4°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: A - 01 (890-5612-1), A - 02 (890-5612-2), A - 03 (890-5612-3), B - 01 (890-5612-4), B - 02 (890-5612-5), B - 03 (890-5612-6), C - 01 (890-5612-7), D - 01 (890-5612-8), D - 01 (890-5612-9), D - 01 (890-5612-10), E - 01 (890-5612-11), E - 01 (890-5612-12), E - 01 (890-5612-13), F - 01 (890-5612-14), F - 01 (890-5612-15), F - 01 (890-5612-16), G - 01 (890-5612-17), G - 01 (890-5612-18), G - 01 (890-5612-19), H - 01 (890-5612-20), H - 01 (890-5612-21), H - 01 (890-5612-22), I - 01 (890-5612-23), I - 01 (890-5612-24), I - 01 (890-5612-25), J - 01 (890-5612-26), J - 01 (890-5612-27), J - 01 (890-5612-28), K - 01 (890-5612-29), K - 01 (890-5612-30), K - 01 (890-5612-31), L - 01 (890-5612-32), L - 01 (890-5612-33), L - 01 (890-5612-34), M - 01 (890-5612-35), M - 01 (890-5612-36), M - 01 (890-5612-37), N - 01 (890-5612-38), N - 01 (890-5612-39) and N - 01 (890-5612-40).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: A - 01 (890-5612-1), A - 02 (890-5612-2), A - 03 (890-5612-3), B - 01 (890-5612-4), B - 02 (890-5612-5), B - 03 (890-5612-6), C - 01 (890-5612-7), (LCSD 880-66981/2-A), (890-5612-A-1-E MS) and (890-5612-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-67251/2) and (MB 880-66981/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-66981 and analytical batch 880-67251 recovered outside control limits for the following analytes: Benzene.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-66981 and analytical batch 880-67251 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 8021B: The surrogate recovery for the blank associated with preparation batch 880-67371 and analytical batch 880-67369 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: D - 01 (890-5612-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-67371 and analytical batch 880-67369 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Job ID: 890-5612-1 (Continued)**Laboratory: Eurofins Carlsbad (Continued)**

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-66982 and analytical batch 880-67631 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-66982 and analytical batch 880-67631 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: I - 01 (890-5612-25). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-66876 and analytical batch 880-66905 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: A - 01 (890-5612-1) and G - 01 (890-5612-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-66877 and analytical batch 880-66908 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: K - 01 (890-5612-31). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-66877 and analytical batch 880-66908 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-66918 and analytical batch 880-67001 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.

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: A - 01

Lab Sample ID: 890-5612-1

Date Collected: 11/09/23 10:30

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *1 F2	0.00199		mg/Kg		11/14/23 11:29	11/17/23 12:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:29	11/17/23 12:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:29	11/17/23 12:11	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		11/14/23 11:29	11/17/23 12:11	1
o-Xylene	<0.00199	U F1 F2	0.00199		mg/Kg		11/14/23 11:29	11/17/23 12:11	1
Xylenes, Total	<0.00398	U F1 F2	0.00398		mg/Kg		11/14/23 11:29	11/17/23 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	223	S1+	70 - 130	11/14/23 11:29	11/17/23 12:11	1
1,4-Difluorobenzene (Surr)	88		70 - 130	11/14/23 11:29	11/17/23 12:11	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			11/17/23 12:11	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			11/14/23 12:28	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		11/13/23 15:27	11/14/23 12:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/13/23 15:27	11/14/23 12:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/13/23 15:27	11/14/23 12:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130	11/13/23 15:27	11/14/23 12:28	1
o-Terphenyl	118		70 - 130	11/13/23 15:27	11/14/23 12:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.1		5.01		mg/Kg			11/14/23 19:19	1

Client Sample ID: A - 02

Lab Sample ID: 890-5612-2

Date Collected: 11/09/23 10:34

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200		mg/Kg		11/14/23 11:29	11/17/23 12:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:29	11/17/23 12:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:29	11/17/23 12:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/14/23 11:29	11/17/23 12:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:29	11/17/23 12:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/23 11:29	11/17/23 12:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	195	S1+	70 - 130	11/14/23 11:29	11/17/23 12:38	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: A - 02

Lab Sample ID: 890-5612-2

Date Collected: 11/09/23 10:34

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 1.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	90		70 - 130	11/14/23 11:29	11/17/23 12:38	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			11/17/23 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/14/23 13:37	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	<50.5	U	50.5		mg/Kg		11/13/23 15:27	11/14/23 13:37	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/13/23 15:27	11/14/23 13:37	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/13/23 15:27	11/14/23 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				11/13/23 15:27	11/14/23 13:37	1
o-Terphenyl	112		70 - 130				11/13/23 15:27	11/14/23 13:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.40	F1	5.05		mg/Kg			11/14/23 20:05	1

Client Sample ID: A - 03

Lab Sample ID: 890-5612-3

Date Collected: 11/09/23 10:36

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200		mg/Kg		11/14/23 11:29	11/17/23 13:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:29	11/17/23 13:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:29	11/17/23 13:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/14/23 11:29	11/17/23 13:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:29	11/17/23 13:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/14/23 11:29	11/17/23 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	192	S1+	70 - 130	11/14/23 11:29	11/17/23 13:04	1
1,4-Difluorobenzene (Surr)	87		70 - 130	11/14/23 11:29	11/17/23 13:04	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			11/17/23 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/14/23 14:01	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: A - 03

Lab Sample ID: 890-5612-3

Date Collected: 11/09/23 10:36

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 1.5'

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	<50.4	U	50.4		mg/Kg		11/13/23 15:27	11/14/23 14:01	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/13/23 15:27	11/14/23 14:01	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/13/23 15:27	11/14/23 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				11/13/23 15:27	11/14/23 14:01	1
o-Terphenyl	91		70 - 130				11/13/23 15:27	11/14/23 14:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.42		5.05		mg/Kg			11/14/23 20:22	1

Client Sample ID: B - 01

Lab Sample ID: 890-5612-4

Date Collected: 11/09/23 10:40

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *1	0.00202		mg/Kg		11/14/23 11:29	11/17/23 13:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/14/23 11:29	11/17/23 13:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/14/23 11:29	11/17/23 13:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/14/23 11:29	11/17/23 13:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/14/23 11:29	11/17/23 13:30	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/14/23 11:29	11/17/23 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	197	S1+	70 - 130				11/14/23 11:29	11/17/23 13:30	1
1,4-Difluorobenzene (Surr)	78		70 - 130				11/14/23 11:29	11/17/23 13:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/17/23 13:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/14/23 14:24	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	<49.7	U	49.7		mg/Kg		11/13/23 15:27	11/14/23 14:24	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/13/23 15:27	11/14/23 14:24	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/13/23 15:27	11/14/23 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				11/13/23 15:27	11/14/23 14:24	1
o-Terphenyl	93		70 - 130				11/13/23 15:27	11/14/23 14:24	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: B - 01
Date Collected: 11/09/23 10:40
Date Received: 11/10/23 10:31
Sample Depth: 1.5'

Lab Sample ID: 890-5612-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.6		5.05		mg/Kg			11/14/23 20:27	1

Client Sample ID: B - 02
Date Collected: 11/09/23 10:44
Date Received: 11/10/23 10:31
Sample Depth: 1.5'

Lab Sample ID: 890-5612-5
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *1	0.00199		mg/Kg		11/14/23 11:29	11/17/23 13:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:29	11/17/23 13:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:29	11/17/23 13:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/14/23 11:29	11/17/23 13:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:29	11/17/23 13:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/23 11:29	11/17/23 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	190	S1+	70 - 130				11/14/23 11:29	11/17/23 13:57	1
1,4-Difluorobenzene (Surr)	72		70 - 130				11/14/23 11:29	11/17/23 13:57	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			11/17/23 13:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/14/23 14:48	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	<49.6	U	49.6		mg/Kg		11/13/23 15:27	11/14/23 14:48	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/13/23 15:27	11/14/23 14:48	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/13/23 15:27	11/14/23 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				11/13/23 15:27	11/14/23 14:48	1
o-Terphenyl	104		70 - 130				11/13/23 15:27	11/14/23 14:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.7		5.05		mg/Kg			11/14/23 20:33	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: B - 03
Date Collected: 11/09/23 10:48
Date Received: 11/10/23 10:31
Sample Depth: 1.5'

Lab Sample ID: 890-5612-6
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200		mg/Kg		11/14/23 11:29	11/17/23 14:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:29	11/17/23 14:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:29	11/17/23 14:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/14/23 11:29	11/17/23 14:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:29	11/17/23 14:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/23 11:29	11/17/23 14:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	210	S1+	70 - 130				11/14/23 11:29	11/17/23 14:23	1
1,4-Difluorobenzene (Surr)	71		70 - 130				11/14/23 11:29	11/17/23 14:23	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			11/17/23 14:23	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			11/14/23 15:11	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		11/13/23 15:27	11/14/23 15:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/13/23 15:27	11/14/23 15:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/13/23 15:27	11/14/23 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				11/13/23 15:27	11/14/23 15:11	1
o-Terphenyl	111		70 - 130				11/13/23 15:27	11/14/23 15:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.5		5.02		mg/Kg			11/14/23 20:39	1

Client Sample ID: C - 01
Date Collected: 11/09/23 10:50
Date Received: 11/10/23 10:31
Sample Depth: 1.5'

Lab Sample ID: 890-5612-7
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *1	0.00201		mg/Kg		11/14/23 11:29	11/17/23 14:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/14/23 11:29	11/17/23 14:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/14/23 11:29	11/17/23 14:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/14/23 11:29	11/17/23 14:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/14/23 11:29	11/17/23 14:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/14/23 11:29	11/17/23 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130				11/14/23 11:29	11/17/23 14:50	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: C - 01

Lab Sample ID: 890-5612-7

Date Collected: 11/09/23 10:50

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 1.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	71		70 - 130	11/14/23 11:29	11/17/23 14:50	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			11/17/23 14:50	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			11/14/23 15:34	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		11/13/23 15:27	11/14/23 15:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/13/23 15:27	11/14/23 15:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/13/23 15:27	11/14/23 15:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				11/13/23 15:27	11/14/23 15:34	1
o-Terphenyl	93		70 - 130				11/13/23 15:27	11/14/23 15:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.9		5.01		mg/Kg			11/14/23 20:56	1

Client Sample ID: D - 01

Lab Sample ID: 890-5612-8

Date Collected: 11/09/23 11:00

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 1.5'

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		11/20/23 08:49	11/20/23 13:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 13:04	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		11/20/23 08:49	11/20/23 13:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/23 08:49	11/20/23 13:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 13:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/23 08:49	11/20/23 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	11/20/23 08:49	11/20/23 13:04	1
1,4-Difluorobenzene (Surr)	105		70 - 130	11/20/23 08:49	11/20/23 13:04	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			11/20/23 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	65.2		50.2		mg/Kg			11/14/23 15:57	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: D - 01
Date Collected: 11/09/23 11:00
Date Received: 11/10/23 10:31
Sample Depth: 1.5'

Lab Sample ID: 890-5612-8
Matrix: Solid

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	<50.2	U	50.2		mg/Kg		11/13/23 15:27	11/14/23 15:57	1	
Diesel Range Organics (Over C10-C28)	65.2		50.2		mg/Kg		11/13/23 15:27	11/14/23 15:57	1	
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/13/23 15:27	11/14/23 15:57	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	110		70 - 130				11/13/23 15:27	11/14/23 15:57	1	
o-Terphenyl	99		70 - 130				11/13/23 15:27	11/14/23 15:57	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	348		5.02		mg/Kg			11/14/23 21:01	1	

Client Sample ID: D -01
Date Collected: 11/09/23 11:04
Date Received: 11/10/23 10:31
Sample Depth: 5'

Lab Sample ID: 890-5612-9
Matrix: Solid

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		11/20/23 08:49	11/20/23 17:59	1	
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 08:49	11/20/23 17:59	1	
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		11/20/23 08:49	11/20/23 17:59	1	
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/20/23 08:49	11/20/23 17:59	1	
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 08:49	11/20/23 17:59	1	
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/20/23 08:49	11/20/23 17:59	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				11/20/23 08:49	11/20/23 17:59	1	
1,4-Difluorobenzene (Surr)	156	S1+	70 - 130				11/20/23 08:49	11/20/23 17:59	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/20/23 17:59	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	U	50.1		mg/Kg			11/14/23 16:21	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	<50.1	U	50.1		mg/Kg		11/13/23 15:27	11/14/23 16:21	1	
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/13/23 15:27	11/14/23 16:21	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/13/23 15:27	11/14/23 16:21	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	126		70 - 130				11/13/23 15:27	11/14/23 16:21	1	
o-Terphenyl	111		70 - 130				11/13/23 15:27	11/14/23 16:21	1	

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: D -01

Lab Sample ID: 890-5612-9

Date Collected: 11/09/23 11:04

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	706		4.99		mg/Kg			11/14/23 21:07	1

Client Sample ID: D -01

Lab Sample ID: 890-5612-10

Date Collected: 11/09/23 11:08

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 6.5'

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		11/20/23 08:49	11/20/23 18:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 08:49	11/20/23 18:19	1
Ethylbenzene	<0.00201	U *	0.00201		mg/Kg		11/20/23 08:49	11/20/23 18:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 08:49	11/20/23 18:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 08:49	11/20/23 18:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 08:49	11/20/23 18:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				11/20/23 08:49	11/20/23 18:19	1
1,4-Difluorobenzene (Surr)	101		70 - 130				11/20/23 08:49	11/20/23 18:19	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			11/20/23 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/14/23 16:44	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	<50.5	U	50.5		mg/Kg		11/13/23 15:27	11/14/23 16:44	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/13/23 15:27	11/14/23 16:44	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/13/23 15:27	11/14/23 16:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				11/13/23 15:27	11/14/23 16:44	1
o-Terphenyl	87		70 - 130				11/13/23 15:27	11/14/23 16:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.8		4.95		mg/Kg			11/14/23 21:13	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: E - 01

Lab Sample ID: 890-5612-11

Date Collected: 11/09/23 11:12

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 2.5'

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		11/20/23 08:49	11/20/23 18:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 18:40	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		11/20/23 08:49	11/20/23 18:40	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/20/23 08:49	11/20/23 18:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 18:40	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/23 08:49	11/20/23 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	11/20/23 08:49	11/20/23 18:40	1
1,4-Difluorobenzene (Surr)	109		70 - 130	11/20/23 08:49	11/20/23 18:40	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			11/20/23 18:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.1		49.8		mg/Kg			11/14/23 18:22	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		11/13/23 15:27	11/14/23 18:22	1
Diesel Range Organics (Over C10-C28)	63.1		49.8		mg/Kg		11/13/23 15:27	11/14/23 18:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/13/23 15:27	11/14/23 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	11/13/23 15:27	11/14/23 18:22	1
o-Terphenyl	85		70 - 130	11/13/23 15:27	11/14/23 18:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.6		5.04		mg/Kg			11/14/23 21:18	1

Client Sample ID: E - 01

Lab Sample ID: 890-5612-12

Date Collected: 11/09/23 11:15

Matrix: Solid

Date Received: 11/10/23 10:31

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		11/20/23 08:49	11/20/23 19:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 19:00	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		11/20/23 08:49	11/20/23 19:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/23 08:49	11/20/23 19:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 19:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/23 08:49	11/20/23 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	11/20/23 08:49	11/20/23 19:00	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: E - 01

Lab Sample ID: 890-5612-12

Date Collected: 11/09/23 11:15

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	11/20/23 08:49	11/20/23 19:00	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			11/20/23 19:00	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			11/14/23 18:46	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		11/13/23 15:27	11/14/23 18:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/13/23 15:27	11/14/23 18:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/13/23 15:27	11/14/23 18:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				11/13/23 15:27	11/14/23 18:46	1
o-Terphenyl	113		70 - 130				11/13/23 15:27	11/14/23 18:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	670	F1	5.02		mg/Kg			11/14/23 21:24	1

Client Sample ID: E - 01

Lab Sample ID: 890-5612-13

Date Collected: 11/09/23 11:22

Matrix: Solid

Date Received: 11/10/23 10:31

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		11/20/23 08:49	11/20/23 19:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 08:49	11/20/23 19:21	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		11/20/23 08:49	11/20/23 19:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 08:49	11/20/23 19:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 08:49	11/20/23 19:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 08:49	11/20/23 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	11/20/23 08:49	11/20/23 19:21	1
1,4-Difluorobenzene (Surr)	107		70 - 130	11/20/23 08:49	11/20/23 19:21	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			11/20/23 19:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			11/14/23 19:09	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: E - 01

Lab Sample ID: 890-5612-13

Date Collected: 11/09/23 11:22

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 6.5'

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	<49.5	U	49.5		mg/Kg		11/13/23 15:27	11/14/23 19:09	1	
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		11/13/23 15:27	11/14/23 19:09	1	
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		11/13/23 15:27	11/14/23 19:09	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	119		70 - 130				11/13/23 15:27	11/14/23 19:09	1	
o-Terphenyl	101		70 - 130				11/13/23 15:27	11/14/23 19:09	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	60.7		4.97		mg/Kg			11/14/23 21:41	1	

Client Sample ID: F - 01

Lab Sample ID: 890-5612-14

Date Collected: 11/09/23 11:24

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 2.5'

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		11/20/23 08:49	11/20/23 19:41	1	
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 08:49	11/20/23 19:41	1	
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		11/20/23 08:49	11/20/23 19:41	1	
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 08:49	11/20/23 19:41	1	
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 08:49	11/20/23 19:41	1	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 08:49	11/20/23 19:41	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	110		70 - 130				11/20/23 08:49	11/20/23 19:41	1	
1,4-Difluorobenzene (Surr)	108		70 - 130				11/20/23 08:49	11/20/23 19:41	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			11/20/23 19:41	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	59.0		49.8		mg/Kg			11/14/23 19:32	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		11/13/23 15:27	11/14/23 19:32	1	
Diesel Range Organics (Over C10-C28)	59.0		49.8		mg/Kg		11/13/23 15:27	11/14/23 19:32	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/13/23 15:27	11/14/23 19:32	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	109		70 - 130				11/13/23 15:27	11/14/23 19:32	1	
o-Terphenyl	98		70 - 130				11/13/23 15:27	11/14/23 19:32	1	

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: F - 01

Lab Sample ID: 890-5612-14

Date Collected: 11/09/23 11:24

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 2.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		4.99		mg/Kg			11/14/23 21:46	1

Client Sample ID: F - 01

Lab Sample ID: 890-5612-15

Date Collected: 11/09/23 11:26

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 5'

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		11/20/23 08:49	11/20/23 20:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 08:49	11/20/23 20:02	1
Ethylbenzene	<0.00202	U *	0.00202		mg/Kg		11/20/23 08:49	11/20/23 20:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/23 08:49	11/20/23 20:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 08:49	11/20/23 20:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/23 08:49	11/20/23 20:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				11/20/23 08:49	11/20/23 20:02	1
1,4-Difluorobenzene (Surr)	106		70 - 130				11/20/23 08:49	11/20/23 20:02	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			11/20/23 20:02	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			11/14/23 19:55	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		11/13/23 15:27	11/14/23 19:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/13/23 15:27	11/14/23 19:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/13/23 15:27	11/14/23 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				11/13/23 15:27	11/14/23 19:55	1
o-Terphenyl	98		70 - 130				11/13/23 15:27	11/14/23 19:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	683		5.00		mg/Kg			11/14/23 22:03	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: F - 01

Lab Sample ID: 890-5612-16

Date Collected: 11/09/23 11:29

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 6.5'

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		11/20/23 08:49	11/20/23 20:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 20:22	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		11/20/23 08:49	11/20/23 20:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/20/23 08:49	11/20/23 20:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 20:22	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/23 08:49	11/20/23 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	11/20/23 08:49	11/20/23 20:22	1
1,4-Difluorobenzene (Surr)	112		70 - 130	11/20/23 08:49	11/20/23 20:22	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			11/20/23 20:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/14/23 20:18	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	<50.3	U	50.3		mg/Kg		11/13/23 15:27	11/14/23 20:18	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/13/23 15:27	11/14/23 20:18	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/13/23 15:27	11/14/23 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	11/13/23 15:27	11/14/23 20:18	1
o-Terphenyl	103		70 - 130	11/13/23 15:27	11/14/23 20:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.4		4.97		mg/Kg			11/14/23 22:09	1

Client Sample ID: G - 01

Lab Sample ID: 890-5612-17

Date Collected: 11/09/23 11:34

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 2.5'

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		11/20/23 08:49	11/20/23 20:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 08:49	11/20/23 20:43	1
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		11/20/23 08:49	11/20/23 20:43	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/20/23 08:49	11/20/23 20:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 08:49	11/20/23 20:43	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/20/23 08:49	11/20/23 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	11/20/23 08:49	11/20/23 20:43	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: G - 01

Lab Sample ID: 890-5612-17

Date Collected: 11/09/23 11:34

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 2.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	108		70 - 130	11/20/23 08:49	11/20/23 20:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/20/23 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	84.1		50.5		mg/Kg			11/14/23 20:41	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	<50.5	U	50.5		mg/Kg		11/13/23 15:27	11/14/23 20:41	1
Diesel Range Organics (Over C10-C28)	84.1		50.5		mg/Kg		11/13/23 15:27	11/14/23 20:41	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/13/23 15:27	11/14/23 20:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				11/13/23 15:27	11/14/23 20:41	1
o-Terphenyl	117		70 - 130				11/13/23 15:27	11/14/23 20:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.8		5.04		mg/Kg			11/14/23 22:14	1

Client Sample ID: G - 01

Lab Sample ID: 890-5612-18

Date Collected: 11/09/23 11:38

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 5'

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		11/20/23 08:49	11/20/23 21:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 08:49	11/20/23 21:03	1
Ethylbenzene	<0.00202	U *-	0.00202		mg/Kg		11/20/23 08:49	11/20/23 21:03	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 08:49	11/20/23 21:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 08:49	11/20/23 21:03	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 08:49	11/20/23 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				11/20/23 08:49	11/20/23 21:03	1
1,4-Difluorobenzene (Surr)	111		70 - 130				11/20/23 08:49	11/20/23 21:03	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			11/20/23 21:03	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			11/14/23 21:04	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: G - 01

Lab Sample ID: 890-5612-18

Date Collected: 11/09/23 11:38

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 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	<50.0	U	50.0		mg/Kg		11/13/23 15:27	11/14/23 21:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/13/23 15:27	11/14/23 21:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/13/23 15:27	11/14/23 21:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				11/13/23 15:27	11/14/23 21:04	1
o-Terphenyl	103		70 - 130				11/13/23 15:27	11/14/23 21:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		4.99		mg/Kg			11/14/23 22:20	1

Client Sample ID: G - 01

Lab Sample ID: 890-5612-19

Date Collected: 11/09/23 11:42

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 6.5'

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		11/21/23 14:33	11/22/23 16:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/21/23 14:33	11/22/23 16:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/21/23 14:33	11/22/23 16:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/21/23 14:33	11/22/23 16:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/21/23 14:33	11/22/23 16:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/21/23 14:33	11/22/23 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				11/21/23 14:33	11/22/23 16:41	1
1,4-Difluorobenzene (Surr)	75		70 - 130				11/21/23 14:33	11/22/23 16:41	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			11/22/23 16:41	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			11/14/23 21:27	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		11/13/23 15:27	11/14/23 21:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/13/23 15:27	11/14/23 21:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/13/23 15:27	11/14/23 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				11/13/23 15:27	11/14/23 21:27	1
o-Terphenyl	108		70 - 130				11/13/23 15:27	11/14/23 21:27	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: G - 01

Lab Sample ID: 890-5612-19

Date Collected: 11/09/23 11:42

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 6.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218		5.03		mg/Kg			11/14/23 22:26	1

Client Sample ID: H - 01

Lab Sample ID: 890-5612-20

Date Collected: 11/09/23 11:46

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 2.5'

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		11/21/23 14:33	11/22/23 17:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/21/23 14:33	11/22/23 17:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/21/23 14:33	11/22/23 17:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/21/23 14:33	11/22/23 17:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/21/23 14:33	11/22/23 17:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/21/23 14:33	11/22/23 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				11/21/23 14:33	11/22/23 17:02	1
1,4-Difluorobenzene (Surr)	76		70 - 130				11/21/23 14:33	11/22/23 17:02	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			11/22/23 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/14/23 21:50	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	<49.6	U	49.6		mg/Kg		11/13/23 15:27	11/14/23 21:50	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/13/23 15:27	11/14/23 21:50	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/13/23 15:27	11/14/23 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				11/13/23 15:27	11/14/23 21:50	1
o-Terphenyl	103		70 - 130				11/13/23 15:27	11/14/23 21:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201		5.03		mg/Kg			11/14/23 22:31	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: H - 01

Lab Sample ID: 890-5612-21

Date Collected: 11/09/23 11:49

Matrix: Solid

Date Received: 11/10/23 10:31

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 F1 F2	0.00200		mg/Kg		11/14/23 11:41	11/22/23 16:10	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		11/14/23 11:41	11/22/23 16:10	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		11/14/23 11:41	11/22/23 16:10	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		11/14/23 11:41	11/22/23 16:10	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		11/14/23 11:41	11/22/23 16:10	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		11/14/23 11:41	11/22/23 16:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				11/14/23 11:41	11/22/23 16:10	1
1,4-Difluorobenzene (Surr)	96		70 - 130				11/14/23 11:41	11/22/23 16:10	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			11/22/23 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	103		49.9		mg/Kg			11/14/23 12:28	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		11/13/23 15:31	11/14/23 12:28	1
Diesel Range Organics (Over C10-C28)	103	F1	49.9		mg/Kg		11/13/23 15:31	11/14/23 12:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/13/23 15:31	11/14/23 12:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				11/13/23 15:31	11/14/23 12:28	1
o-Terphenyl	117		70 - 130				11/13/23 15:31	11/14/23 12:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	232		5.01		mg/Kg			11/14/23 22:37	1

Client Sample ID: H - 01

Lab Sample ID: 890-5612-22

Date Collected: 11/09/23 11:54

Matrix: Solid

Date Received: 11/10/23 10:31

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		11/14/23 11:41	11/22/23 16:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 16:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 16:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/14/23 11:41	11/22/23 16:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 16:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/23 11:41	11/22/23 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				11/14/23 11:41	11/22/23 16:31	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: H - 01

Lab Sample ID: 890-5612-22

Date Collected: 11/09/23 11:54

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 6.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	11/14/23 11:41	11/22/23 16:31	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			11/22/23 16:31	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			11/14/23 13:37	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	<50.0	U	50.0		mg/Kg		11/13/23 15:31	11/14/23 13:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/13/23 15:31	11/14/23 13:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/13/23 15:31	11/14/23 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				11/13/23 15:31	11/14/23 13:37	1
o-Terphenyl	99		70 - 130				11/13/23 15:31	11/14/23 13:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.8		5.04		mg/Kg			11/15/23 13:46	1

Client Sample ID: I - 01

Lab Sample ID: 890-5612-23

Date Collected: 11/09/23 11:58

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 2.5'

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		11/14/23 11:41	11/22/23 16:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 16:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 16:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/14/23 11:41	11/22/23 16:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 16:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/23 11:41	11/22/23 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	11/14/23 11:41	11/22/23 16:51	1
1,4-Difluorobenzene (Surr)	110		70 - 130	11/14/23 11:41	11/22/23 16:51	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			11/22/23 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.7		50.3		mg/Kg			11/14/23 14:01	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: I - 01

Lab Sample ID: 890-5612-23

Date Collected: 11/09/23 11:58

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 2.5'

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	<50.3	U	50.3		mg/Kg		11/13/23 15:31	11/14/23 14:01	1
Diesel Range Organics (Over C10-C28)	68.7		50.3		mg/Kg		11/13/23 15:31	11/14/23 14:01	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/13/23 15:31	11/14/23 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				11/13/23 15:31	11/14/23 14:01	1
o-Terphenyl	125		70 - 130				11/13/23 15:31	11/14/23 14:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.2		4.95		mg/Kg			11/15/23 13:52	1

Client Sample ID: I - 01

Lab Sample ID: 890-5612-24

Date Collected: 11/09/23 12:04

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 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		11/14/23 11:41	11/22/23 17:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/14/23 11:41	11/22/23 17:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/14/23 11:41	11/22/23 17:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/14/23 11:41	11/22/23 17:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/14/23 11:41	11/22/23 17:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/14/23 11:41	11/22/23 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				11/14/23 11:41	11/22/23 17:12	1
1,4-Difluorobenzene (Surr)	108		70 - 130				11/14/23 11:41	11/22/23 17:12	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			11/22/23 17:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/14/23 14:24	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	<50.5	U	50.5		mg/Kg		11/13/23 15:31	11/14/23 14:24	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/13/23 15:31	11/14/23 14:24	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/13/23 15:31	11/14/23 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				11/13/23 15:31	11/14/23 14:24	1
o-Terphenyl	130		70 - 130				11/13/23 15:31	11/14/23 14:24	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: I - 01

Lab Sample ID: 890-5612-24

Date Collected: 11/09/23 12:04

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	217		4.96		mg/Kg			11/15/23 13:58	1

Client Sample ID: I - 01

Lab Sample ID: 890-5612-25

Date Collected: 11/09/23 12:08

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 6.5'

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		11/14/23 11:41	11/22/23 17:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 17:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 17:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/14/23 11:41	11/22/23 17:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 17:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/14/23 11:41	11/22/23 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				11/14/23 11:41	11/22/23 17:32	1
1,4-Difluorobenzene (Surr)	163	S1+	70 - 130				11/14/23 11:41	11/22/23 17:32	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			11/22/23 17:32	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	U	50.1		mg/Kg			11/14/23 14:48	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	<50.1	U	50.1		mg/Kg		11/13/23 15:31	11/14/23 14:48	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/13/23 15:31	11/14/23 14:48	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/13/23 15:31	11/14/23 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				11/13/23 15:31	11/14/23 14:48	1
o-Terphenyl	84		70 - 130				11/13/23 15:31	11/14/23 14:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.6		5.01		mg/Kg			11/15/23 14:03	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: J - 01
Date Collected: 11/09/23 12:12
Date Received: 11/10/23 10:31
Sample Depth: 2.5'

Lab Sample ID: 890-5612-26
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		11/14/23 11:41	11/22/23 17:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 17:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 17:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/14/23 11:41	11/22/23 17:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 17:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/23 11:41	11/22/23 17:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				11/14/23 11:41	11/22/23 17:53	1
1,4-Difluorobenzene (Surr)	108		70 - 130				11/14/23 11:41	11/22/23 17:53	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			11/22/23 17:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	118		50.4		mg/Kg			11/14/23 15:11	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	<50.4	U	50.4		mg/Kg		11/13/23 15:31	11/14/23 15:11	1
Diesel Range Organics (Over C10-C28)	118		50.4		mg/Kg		11/13/23 15:31	11/14/23 15:11	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/13/23 15:31	11/14/23 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				11/13/23 15:31	11/14/23 15:11	1
o-Terphenyl	108		70 - 130				11/13/23 15:31	11/14/23 15:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	263		5.03		mg/Kg			11/15/23 14:38	1

Client Sample ID: J - 01
Date Collected: 11/09/23 12:18
Date Received: 11/10/23 10:31
Sample Depth: 5'

Lab Sample ID: 890-5612-27
Matrix: Solid

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		11/14/23 11:41	11/22/23 18:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/14/23 11:41	11/22/23 18:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/14/23 11:41	11/22/23 18:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/14/23 11:41	11/22/23 18:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/14/23 11:41	11/22/23 18:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/14/23 11:41	11/22/23 18:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				11/14/23 11:41	11/22/23 18:13	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: J - 01

Lab Sample ID: 890-5612-27

Date Collected: 11/09/23 12:18

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	109		70 - 130	11/14/23 11:41	11/22/23 18:13	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			11/22/23 18:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/14/23 15:34	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	<49.7	U	49.7		mg/Kg		11/13/23 15:31	11/14/23 15:34	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/13/23 15:31	11/14/23 15:34	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/13/23 15:31	11/14/23 15:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				11/13/23 15:31	11/14/23 15:34	1
o-Terphenyl	99		70 - 130				11/13/23 15:31	11/14/23 15:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	752		5.02		mg/Kg			11/15/23 14:43	1

Client Sample ID: J - 01

Lab Sample ID: 890-5612-28

Date Collected: 11/09/23 12:20

Matrix: Solid

Date Received: 11/10/23 10:31

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		11/14/23 11:41	11/22/23 18:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 18:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 18:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/14/23 11:41	11/22/23 18:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 18:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/23 11:41	11/22/23 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	11/14/23 11:41	11/22/23 18:34	1
1,4-Difluorobenzene (Surr)	105		70 - 130	11/14/23 11:41	11/22/23 18:34	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			11/22/23 18:34	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			11/14/23 15:57	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: J - 01
Date Collected: 11/09/23 12:20
Date Received: 11/10/23 10:31
Sample Depth: 6.5'

Lab Sample ID: 890-5612-28
Matrix: Solid

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		11/13/23 15:31	11/14/23 15:57	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/13/23 15:31	11/14/23 15:57	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/13/23 15:31	11/14/23 15:57	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	89		70 - 130				11/13/23 15:31	11/14/23 15:57	1	
o-Terphenyl	92		70 - 130				11/13/23 15:31	11/14/23 15:57	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	83.0		4.97		mg/Kg			11/15/23 14:49	1	

Client Sample ID: K - 01
Date Collected: 11/09/23 12:25
Date Received: 11/10/23 10:31
Sample Depth: 2.5'

Lab Sample ID: 890-5612-29
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		11/14/23 11:41	11/22/23 18:54	1	
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 18:54	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 18:54	1	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/14/23 11:41	11/22/23 18:54	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 18:54	1	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/23 11:41	11/22/23 18:54	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	96		70 - 130				11/14/23 11:41	11/22/23 18:54	1	
1,4-Difluorobenzene (Surr)	106		70 - 130				11/14/23 11:41	11/22/23 18:54	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			11/22/23 18:54	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	102		50.1		mg/Kg			11/14/23 16:21	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	<50.1	U	50.1		mg/Kg		11/13/23 15:31	11/14/23 16:21	1	
Diesel Range Organics (Over C10-C28)	102		50.1		mg/Kg		11/13/23 15:31	11/14/23 16:21	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/13/23 15:31	11/14/23 16:21	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	101		70 - 130				11/13/23 15:31	11/14/23 16:21	1	
o-Terphenyl	108		70 - 130				11/13/23 15:31	11/14/23 16:21	1	

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: K - 01

Lab Sample ID: 890-5612-29

Date Collected: 11/09/23 12:25

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 2.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	387		4.99		mg/Kg			11/15/23 14:55	1

Client Sample ID: K - 01

Lab Sample ID: 890-5612-30

Date Collected: 11/09/23 12:29

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 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		11/14/23 11:41	11/22/23 19:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/14/23 11:41	11/22/23 19:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/14/23 11:41	11/22/23 19:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/14/23 11:41	11/22/23 19:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/14/23 11:41	11/22/23 19:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/14/23 11:41	11/22/23 19:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				11/14/23 11:41	11/22/23 19:14	1
1,4-Difluorobenzene (Surr)	109		70 - 130				11/14/23 11:41	11/22/23 19:14	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			11/22/23 19:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/14/23 16:44	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	<50.4	U	50.4		mg/Kg		11/13/23 15:31	11/14/23 16:44	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/13/23 15:31	11/14/23 16:44	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/13/23 15:31	11/14/23 16:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				11/13/23 15:31	11/14/23 16:44	1
o-Terphenyl	110		70 - 130				11/13/23 15:31	11/14/23 16:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	778		5.01		mg/Kg			11/15/23 15:00	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: K - 01

Lab Sample ID: 890-5612-31

Date Collected: 11/09/23 12:32

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 6.5'

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		11/14/23 11:41	11/22/23 21:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/14/23 11:41	11/22/23 21:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/14/23 11:41	11/22/23 21:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/14/23 11:41	11/22/23 21:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/14/23 11:41	11/22/23 21:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/14/23 11:41	11/22/23 21:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				11/14/23 11:41	11/22/23 21:05	1
1,4-Difluorobenzene (Surr)	106		70 - 130				11/14/23 11:41	11/22/23 21:05	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			11/22/23 21:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/14/23 18:22	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	<49.6	U	49.6		mg/Kg		11/13/23 15:31	11/14/23 18:22	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/13/23 15:31	11/14/23 18:22	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/13/23 15:31	11/14/23 18:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				11/13/23 15:31	11/14/23 18:22	1
o-Terphenyl	70		70 - 130				11/13/23 15:31	11/14/23 18:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.0		5.04		mg/Kg			11/15/23 15:06	1

Client Sample ID: L - 01

Lab Sample ID: 890-5612-32

Date Collected: 11/09/23 12:38

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 2.5'

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		11/14/23 11:41	11/22/23 21:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 21:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 21:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/14/23 11:41	11/22/23 21:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 21:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/23 11:41	11/22/23 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				11/14/23 11:41	11/22/23 21:25	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: L - 01

Lab Sample ID: 890-5612-32

Date Collected: 11/09/23 12:38

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 2.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	106		70 - 130	11/14/23 11:41	11/22/23 21:25	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			11/22/23 21:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	109		50.0		mg/Kg			11/14/23 18:46	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		11/13/23 15:31	11/14/23 18:46	1
Diesel Range Organics (Over C10-C28)	109		50.0		mg/Kg		11/13/23 15:31	11/14/23 18:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/13/23 15:31	11/14/23 18:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				11/13/23 15:31	11/14/23 18:46	1
o-Terphenyl	85		70 - 130				11/13/23 15:31	11/14/23 18:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.2		4.98		mg/Kg			11/15/23 15:23	1

Client Sample ID: L - 01

Lab Sample ID: 890-5612-33

Date Collected: 11/09/23 12:44

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 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		11/14/23 11:41	11/22/23 21:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 21:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 21:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/14/23 11:41	11/22/23 21:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 21:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/23 11:41	11/22/23 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	11/14/23 11:41	11/22/23 21:46	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/14/23 11:41	11/22/23 21:46	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			11/22/23 21:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/14/23 19:09	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: L - 01

Lab Sample ID: 890-5612-33

Date Collected: 11/09/23 12:44

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 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	<50.3	U	50.3		mg/Kg		11/13/23 15:31	11/14/23 19:09	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/13/23 15:31	11/14/23 19:09	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/13/23 15:31	11/14/23 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				11/13/23 15:31	11/14/23 19:09	1
o-Terphenyl	93		70 - 130				11/13/23 15:31	11/14/23 19:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	767		4.99		mg/Kg			11/15/23 15:29	1

Client Sample ID: L - 01

Lab Sample ID: 890-5612-34

Date Collected: 11/09/23 12:48

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 6.5'

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		11/14/23 11:41	11/22/23 22:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 22:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 22:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/14/23 11:41	11/22/23 22:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 22:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/23 11:41	11/22/23 22:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				11/14/23 11:41	11/22/23 22:06	1
1,4-Difluorobenzene (Surr)	104		70 - 130				11/14/23 11:41	11/22/23 22:06	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			11/22/23 22:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/14/23 19:32	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	<50.4	U	50.4		mg/Kg		11/13/23 15:31	11/14/23 19:32	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/13/23 15:31	11/14/23 19:32	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/13/23 15:31	11/14/23 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				11/13/23 15:31	11/14/23 19:32	1
o-Terphenyl	97		70 - 130				11/13/23 15:31	11/14/23 19:32	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: L - 01

Lab Sample ID: 890-5612-34

Date Collected: 11/09/23 12:48

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 6.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.1		4.97		mg/Kg			11/15/23 15:46	1

Client Sample ID: M - 01

Lab Sample ID: 890-5612-35

Date Collected: 11/09/23 12:52

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 2.5'

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		11/14/23 11:41	11/22/23 22:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 22:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 22:27	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/14/23 11:41	11/22/23 22:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 22:27	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/14/23 11:41	11/22/23 22:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				11/14/23 11:41	11/22/23 22:27	1
1,4-Difluorobenzene (Surr)	109		70 - 130				11/14/23 11:41	11/22/23 22:27	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			11/22/23 22:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/14/23 19:55	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	<49.7	U	49.7		mg/Kg		11/13/23 15:31	11/14/23 19:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/13/23 15:31	11/14/23 19:55	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/13/23 15:31	11/14/23 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				11/13/23 15:31	11/14/23 19:55	1
o-Terphenyl	96		70 - 130				11/13/23 15:31	11/14/23 19:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		4.95		mg/Kg			11/15/23 15:51	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: M - 01

Lab Sample ID: 890-5612-36

Date Collected: 11/09/23 12:58

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 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		11/14/23 11:41	11/22/23 22:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 22:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 22:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/14/23 11:41	11/22/23 22:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 22:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/23 11:41	11/22/23 22:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				11/14/23 11:41	11/22/23 22:47	1
1,4-Difluorobenzene (Surr)	117		70 - 130				11/14/23 11:41	11/22/23 22:47	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			11/22/23 22:47	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			11/14/23 20:18	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		11/13/23 15:31	11/14/23 20:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/13/23 15:31	11/14/23 20:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/13/23 15:31	11/14/23 20:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/13/23 15:31	11/14/23 20:18	1
o-Terphenyl	106		70 - 130				11/13/23 15:31	11/14/23 20:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	794		5.04		mg/Kg			11/15/23 15:57	1

Client Sample ID: M - 01

Lab Sample ID: 890-5612-37

Date Collected: 11/09/23 13:02

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 7'

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		11/14/23 11:41	11/22/23 23:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/14/23 11:41	11/22/23 23:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/14/23 11:41	11/22/23 23:08	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/14/23 11:41	11/22/23 23:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/14/23 11:41	11/22/23 23:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/14/23 11:41	11/22/23 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				11/14/23 11:41	11/22/23 23:08	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: M - 01
Date Collected: 11/09/23 13:02
Date Received: 11/10/23 10:31
Sample Depth: 7'

Lab Sample ID: 890-5612-37
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	112		70 - 130				11/14/23 11:41	11/22/23 23:08	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			11/22/23 23:08	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/14/23 20:41	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	<49.6	U	49.6		mg/Kg		11/13/23 15:31	11/14/23 20:41	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/13/23 15:31	11/14/23 20:41	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/13/23 15:31	11/14/23 20:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				11/13/23 15:31	11/14/23 20:41	1
o-Terphenyl	87		70 - 130				11/13/23 15:31	11/14/23 20:41	1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	318		4.97		mg/Kg			11/15/23 16:03	1

Client Sample ID: N - 01
Date Collected: 11/09/23 13:08
Date Received: 11/10/23 10:31
Sample Depth: 2.5'

Lab Sample ID: 890-5612-38
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		11/14/23 11:41	11/22/23 23:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 23:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 23:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/14/23 11:41	11/22/23 23:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/14/23 11:41	11/22/23 23:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/14/23 11:41	11/22/23 23:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				11/14/23 11:41	11/22/23 23:28	1
1,4-Difluorobenzene (Surr)	109		70 - 130				11/14/23 11:41	11/22/23 23:28	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			11/22/23 23:28	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	83.3		50.5		mg/Kg			11/14/23 21:04	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: N - 01

Lab Sample ID: 890-5612-38

Date Collected: 11/09/23 13:08

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 2.5'

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	<50.5	U	50.5		mg/Kg		11/13/23 15:31	11/14/23 21:04	1
Diesel Range Organics (Over C10-C28)	83.3		50.5		mg/Kg		11/13/23 15:31	11/14/23 21:04	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/13/23 15:31	11/14/23 21:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				11/13/23 15:31	11/14/23 21:04	1
o-Terphenyl	81		70 - 130				11/13/23 15:31	11/14/23 21:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.4		4.97		mg/Kg			11/15/23 16:08	1

Client Sample ID: N - 01

Lab Sample ID: 890-5612-39

Date Collected: 11/09/23 13:14

Matrix: Solid

Date Received: 11/10/23 10:31

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		11/14/23 11:41	11/22/23 23:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 23:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 23:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/14/23 11:41	11/22/23 23:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 23:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/14/23 11:41	11/22/23 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				11/14/23 11:41	11/22/23 23:48	1
1,4-Difluorobenzene (Surr)	118		70 - 130				11/14/23 11:41	11/22/23 23:48	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			11/22/23 23:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/14/23 21:27	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	<50.5	U	50.5		mg/Kg		11/13/23 15:31	11/14/23 21:27	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/13/23 15:31	11/14/23 21:27	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/13/23 15:31	11/14/23 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				11/13/23 15:31	11/14/23 21:27	1
o-Terphenyl	97		70 - 130				11/13/23 15:31	11/14/23 21:27	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: N - 01

Lab Sample ID: 890-5612-39

Date Collected: 11/09/23 13:14

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	765		4.98		mg/Kg			11/15/23 16:14	1

Client Sample ID: N - 01

Lab Sample ID: 890-5612-40

Date Collected: 11/09/23 13:14

Matrix: Solid

Date Received: 11/10/23 10:31

Sample Depth: 7'

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		11/14/23 11:41	11/23/23 00:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/14/23 11:41	11/23/23 00:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/14/23 11:41	11/23/23 00:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/14/23 11:41	11/23/23 00:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/14/23 11:41	11/23/23 00:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/14/23 11:41	11/23/23 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				11/14/23 11:41	11/23/23 00:09	1
1,4-Difluorobenzene (Surr)	110		70 - 130				11/14/23 11:41	11/23/23 00:09	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			11/23/23 00:09	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			11/14/23 21:50	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		11/13/23 15:31	11/14/23 21:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/13/23 15:31	11/14/23 21:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/13/23 15:31	11/14/23 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				11/13/23 15:31	11/14/23 21:50	1
o-Terphenyl	95		70 - 130				11/13/23 15:31	11/14/23 21:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.6		5.03		mg/Kg			11/15/23 16:20	1

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

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)
890-5612-1	A - 01	223 S1+	88
890-5612-1 MS	A - 01	133 S1+	75
890-5612-1 MSD	A - 01	161 S1+	81
890-5612-2	A - 02	195 S1+	90
890-5612-3	A - 03	192 S1+	87
890-5612-4	B - 01	197 S1+	78
890-5612-5	B - 02	190 S1+	72
890-5612-6	B - 03	210 S1+	71
890-5612-7	C - 01	166 S1+	71
890-5612-8	D - 01	102	105
890-5612-9	D - 01	135 S1+	156 S1+
890-5612-10	D - 01	95	101
890-5612-11	E - 01	102	109
890-5612-12	E - 01	97	102
890-5612-13	E - 01	103	107
890-5612-14	F - 01	110	108
890-5612-15	F - 01	94	106
890-5612-16	F - 01	110	112
890-5612-17	G - 01	116	108
890-5612-18	G - 01	110	111
890-5612-19	G - 01	95	75
890-5612-20	H - 01	86	76
890-5612-21	H - 01	93	96
890-5612-21 MS	H - 01	103	104
890-5612-21 MSD	H - 01	99	112
890-5612-22	H - 01	96	102
890-5612-23	I - 01	100	110
890-5612-24	I - 01	95	108
890-5612-25	I - 01	119	163 S1+
890-5612-26	J - 01	101	108
890-5612-27	J - 01	97	109
890-5612-28	J - 01	99	105
890-5612-29	K - 01	96	106
890-5612-30	K - 01	92	109
890-5612-31	K - 01	83	106
890-5612-32	L - 01	112	106
890-5612-33	L - 01	114	108
890-5612-34	L - 01	93	104
890-5612-35	M - 01	102	109
890-5612-36	M - 01	100	117
890-5612-37	M - 01	97	112
890-5612-38	N - 01	98	109
890-5612-39	N - 01	97	118
890-5612-40	N - 01	99	110
LCS 880-66981/1-A	Lab Control Sample	116	77
LCS 880-66982/1-A	Lab Control Sample	70	118
LCS 880-67371/1-A	Lab Control Sample	72	115
LCS 880-67568/1-A	Lab Control Sample	104	104
LCSD 880-66981/2-A	Lab Control Sample Dup	137 S1+	74

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Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

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)
LCSD 880-66982/2-A	Lab Control Sample Dup	96	94
LCSD 880-67371/2-A	Lab Control Sample Dup	93	106
LCSD 880-67568/2-A	Lab Control Sample Dup	102	105
MB 880-66981/5-A	Method Blank	105	68 S1-
MB 880-66982/5-A	Method Blank	113	149 S1+
MB 880-67371/5-A	Method Blank	114	144 S1+
MB 880-67568/5-A	Method Blank	71	88
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)
890-5612-1	A - 01	134 S1+	118
890-5612-1 MS	A - 01	105	85
890-5612-1 MSD	A - 01	99	79
890-5612-2	A - 02	128	112
890-5612-3	A - 03	102	91
890-5612-4	B - 01	104	93
890-5612-5	B - 02	123	104
890-5612-6	B - 03	129	111
890-5612-7	C - 01	105	93
890-5612-8	D - 01	110	99
890-5612-9	D -01	126	111
890-5612-10	D -01	100	87
890-5612-11	E - 01	98	85
890-5612-12	E - 01	130	113
890-5612-13	E - 01	119	101
890-5612-14	F - 01	109	98
890-5612-15	F - 01	109	98
890-5612-16	F - 01	122	103
890-5612-17	G - 01	131 S1+	117
890-5612-18	G - 01	113	103
890-5612-19	G - 01	123	108
890-5612-20	H - 01	113	103
890-5612-21	H - 01	108	117
890-5612-21 MS	H - 01	104	99
890-5612-21 MSD	H - 01	88	86
890-5612-22	H - 01	93	99
890-5612-23	I - 01	112	125
890-5612-24	I - 01	119	130
890-5612-25	I - 01	78	84
890-5612-26	J - 01	100	108
890-5612-27	J - 01	89	99
890-5612-28	J - 01	89	92
890-5612-29	K - 01	101	108

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Surrogate Summary

Client: Terracon Consulting Eng & Scientists

Job ID: 890-5612-1

Project/Site: RED BULL

SDG: KH237046

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)
890-5612-30	K - 01	100	110
890-5612-31	K - 01	67 S1-	70
890-5612-32	L - 01	83	85
890-5612-33	L - 01	85	93
890-5612-34	L - 01	93	97
890-5612-35	M - 01	90	96
890-5612-36	M - 01	98	106
890-5612-37	M - 01	81	87
890-5612-38	N - 01	80	81
890-5612-39	N - 01	91	97
890-5612-40	N - 01	93	95
LCS 880-66876/2-A	Lab Control Sample	82	88
LCS 880-66877/2-A	Lab Control Sample	84	97
LCSD 880-66876/3-A	Lab Control Sample Dup	82	93
LCSD 880-66877/3-A	Lab Control Sample Dup	86	98
MB 880-66876/1-A	Method Blank	132 S1+	124
MB 880-66877/1-A	Method Blank	120	133 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-66981/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 67251							Prep Batch: 66981		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:29	11/17/23 11:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:29	11/17/23 11:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:29	11/17/23 11:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/14/23 11:29	11/17/23 11:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:29	11/17/23 11:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/14/23 11:29	11/17/23 11:45	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				11/14/23 11:29	11/17/23 11:45	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130				11/14/23 11:29	11/17/23 11:45	1

Lab Sample ID: LCS 880-66981/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 67251							Prep Batch: 66981		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.07083		mg/Kg		71	70 - 130	
Toluene		0.100	0.1045		mg/Kg		105	70 - 130	
Ethylbenzene		0.100	0.08763		mg/Kg		88	70 - 130	
m-Xylene & p-Xylene		0.200	0.1808		mg/Kg		90	70 - 130	
o-Xylene		0.100	0.08472		mg/Kg		85	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	116		70 - 130						
1,4-Difluorobenzene (Surr)	77		70 - 130						

Lab Sample ID: LCSD 880-66981/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 67251							Prep Batch: 66981			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.1056	*1	mg/Kg		106	70 - 130	39	35
Toluene		0.100	0.1139		mg/Kg		114	70 - 130	9	35
Ethylbenzene		0.100	0.1100		mg/Kg		110	70 - 130	23	35
m-Xylene & p-Xylene		0.200	0.2119		mg/Kg		106	70 - 130	16	35
o-Xylene		0.100	0.1040		mg/Kg		104	70 - 130	20	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130							
1,4-Difluorobenzene (Surr)	74		70 - 130							

Lab Sample ID: 890-5612-1 MS							Client Sample ID: A - 01		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 67251							Prep Batch: 66981		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U *1 F2	0.0996	0.07074		mg/Kg		71	70 - 130
Toluene	<0.00199	U	0.0996	0.07791		mg/Kg		78	70 - 130

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QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

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

Lab Sample ID: 890-5612-1 MS
Matrix: Solid
Analysis Batch: 67251

Client Sample ID: A - 01
Prep Type: Total/NA
Prep Batch: 66981

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0996	0.07213		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.1379	F1	mg/Kg		69	70 - 130
o-Xylene	<0.00199	U F1 F2	0.0996	0.06685	F1	mg/Kg		67	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	75		70 - 130						

Lab Sample ID: 890-5612-1 MSD
Matrix: Solid
Analysis Batch: 67251

Client Sample ID: A - 01
Prep Type: Total/NA
Prep Batch: 66981

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U *1 F2	0.0990	0.1025	F2	mg/Kg		104	70 - 130	37	35
Toluene	<0.00199	U	0.0990	0.1045		mg/Kg		106	70 - 130	29	35
Ethylbenzene	<0.00199	U	0.0990	0.09180		mg/Kg		93	70 - 130	24	35
m-Xylene & p-Xylene	<0.00398	U F1	0.198	0.1968		mg/Kg		99	70 - 130	35	35
o-Xylene	<0.00199	U F1 F2	0.0990	0.1016	F2	mg/Kg		103	70 - 130	41	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	161	S1+	70 - 130								
1,4-Difluorobenzene (Surr)	81		70 - 130								

Lab Sample ID: MB 880-66982/5-A
Matrix: Solid
Analysis Batch: 67631

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66982

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 15:42		1
Toluene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 15:42		1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 15:42		1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/14/23 11:41	11/22/23 15:42		1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/14/23 11:41	11/22/23 15:42		1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/14/23 11:41	11/22/23 15:42		1
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	113		70 - 130				11/14/23 11:41	11/22/23 15:42		1
1,4-Difluorobenzene (Surr)	149	S1+	70 - 130				11/14/23 11:41	11/22/23 15:42		1

Lab Sample ID: LCS 880-66982/1-A
Matrix: Solid
Analysis Batch: 67631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66982

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09200		mg/Kg		92	70 - 130
Toluene	0.100	0.09275		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.08141		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1802		mg/Kg		90	70 - 130

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QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

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

Lab Sample ID: LCS 880-66982/1-A						Client Sample ID: Lab Control Sample			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 67631						Prep Batch: 66982			
Analyte	Spike Added			LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100			0.08280		mg/Kg	-	83	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	70		70 - 130						
1,4-Difluorobenzene (Surr)	118		70 - 130						

Lab Sample ID: LCSD 880-66982/2-A						Client Sample ID: Lab Control Sample Dup									
Matrix: Solid						Prep Type: Total/NA									
Analysis Batch: 67631						Prep Batch: 66982									
Analyte				Spike	LCSD	LCSD	Unit	D	%Rec	RPD	RPD				
				Added	Result	Qualifier			Limits						
	Benzene			0.100	0.09885				mg/Kg			99	70 - 130	7	35
	Toluene			0.100	0.09909				mg/Kg			99	70 - 130	7	35
	Ethylbenzene			0.100	0.09401				mg/Kg			94	70 - 130	14	35
	m-Xylene & p-Xylene			0.200	0.2062				mg/Kg			103	70 - 130	13	35
	o-Xylene			0.100	0.09875				mg/Kg			99	70 - 130	18	35
			LCSD	LCSD											
Surrogate	%Recovery	Qualifier	Limits												
4-Bromofluorobenzene (Surr)	96		70 - 130												
1,4-Difluorobenzene (Surr)	94		70 - 130												

Lab Sample ID: 890-5612-21 MS							Client Sample ID: H - 01				
Matrix: Solid							Prep Type: Total/NA				
Analysis Batch: 67631							Prep Batch: 66982				
Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Benzene	<0.00200	U F1 F2	0.0994	0.06500	F1	mg/Kg		65	70 - 130		
Toluene	<0.00200	U F1	0.0994	0.06037	F1	mg/Kg		61	70 - 130		
Ethylbenzene	<0.00200	U F1 F2	0.0994	0.05483	F1	mg/Kg		55	70 - 130		
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.1353	F1	mg/Kg		68	70 - 130		
o-Xylene	<0.00200	U F1	0.0994	0.06823	F1	mg/Kg		69	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	103		70 - 130								
1,4-Difluorobenzene (Surr)	104		70 - 130								

Lab Sample ID: 890-5612-21 MSD

Client Sample ID: H - 01

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 67631

Prep Batch: 66982

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limits
Benzene	<0.00200	U F1 F2	0.0990	0.1017	F2	mg/Kg		103	70 - 130	44	35
Toluene	<0.00200	U F1	0.0990	0.08368		mg/Kg		85	70 - 130	32	35
Ethylbenzene	<0.00200	U F1 F2	0.0990	0.08027	F2	mg/Kg		81	70 - 130	38	35
m-Xylene & p-Xylene	<0.00401	U F1	0.198	0.1895		mg/Kg		96	70 - 130	33	35
o-Xylene	<0.00200	U F1	0.0990	0.09086		mg/Kg		92	70 - 130	28	35

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

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

Lab Sample ID: 890-5612-21 MSD
Matrix: Solid
Analysis Batch: 67631

Client Sample ID: H - 01
Prep Type: Total/NA
Prep Batch: 66982

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-67371/5-A
Matrix: Solid
Analysis Batch: 67369

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67371

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1	
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 08:49	11/20/23 11:34	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 08:49	11/20/23 11:34	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 08:49	11/20/23 11:34	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				11/20/23 08:49	11/20/23 11:34	1	
1,4-Difluorobenzene (Surr)	144	S1+	70 - 130				11/20/23 08:49	11/20/23 11:34	1	

Lab Sample ID: LCS 880-67371/1-A
Matrix: Solid
Analysis Batch: 67369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67371

Analyte	Spike	LCS	LCS						%Rec	
	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.08540		mg/Kg		85	70 - 130			
Toluene	0.100	0.07596		mg/Kg		76	70 - 130			
Ethylbenzene	0.100	0.06082	*-	mg/Kg		61	70 - 130			
m-Xylene & p-Xylene	0.200	0.1432		mg/Kg		72	70 - 130			
o-Xylene	0.100	0.07091		mg/Kg		71	70 - 130			

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	72		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: LCSD 880-67371/2-A
Matrix: Solid
Analysis Batch: 67369

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67371

Analyte	Spike	LCSD	LCSD						%Rec		RPD
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD		Limit	
Benzene	0.100	0.1068		mg/Kg		107	70 - 130	22		35	
Toluene	0.100	0.08512		mg/Kg		85	70 - 130	11		35	
Ethylbenzene	0.100	0.07630		mg/Kg		76	70 - 130	23		35	
m-Xylene & p-Xylene	0.200	0.1916		mg/Kg		96	70 - 130	29		35	
o-Xylene	0.100	0.09480		mg/Kg		95	70 - 130	29		35	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130

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QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

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

Lab Sample ID: LCSD 880-67371/2-A
Matrix: Solid
Analysis Batch: 67369

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67371

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-67568/5-A
Matrix: Solid
Analysis Batch: 67637

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67568

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/21/23 14:33	11/22/23 15:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/21/23 14:33	11/22/23 15:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/21/23 14:33	11/22/23 15:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/21/23 14:33	11/22/23 15:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/21/23 14:33	11/22/23 15:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/21/23 14:33	11/22/23 15:38	1

	MB	MB	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	71		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	11/21/23 14:33	11/22/23 15:38	1
1,4-Difluorobenzene (Surr)	11/21/23 14:33	11/22/23 15:38	1

Lab Sample ID: LCS 880-67568/1-A
Matrix: Solid
Analysis Batch: 67637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67568

Analyte	Spike	LCS	LCS					%Rec	
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.08403		mg/Kg		84	70 - 130		
Toluene	0.100	0.08136		mg/Kg		81	70 - 130		
Ethylbenzene	0.100	0.08783		mg/Kg		88	70 - 130		
m-Xylene & p-Xylene	0.200	0.1813		mg/Kg		91	70 - 130		
o-Xylene	0.100	0.08648		mg/Kg		86	70 - 130		

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

Lab Sample ID: LCSD 880-67568/2-A
Matrix: Solid
Analysis Batch: 67637

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67568

Analyte	Spike	LCSD	LCSD				%Rec	RPD	
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08384		mg/Kg		84	70 - 130	0	35
Toluene	0.100	0.07787		mg/Kg		78	70 - 130	4	35
Ethylbenzene	0.100	0.08232		mg/Kg		82	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1701		mg/Kg		85	70 - 130	6	35
o-Xylene	0.100	0.08106		mg/Kg		81	70 - 130	6	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

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

Lab Sample ID: MB 880-66876/1-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 66905							Prep Batch: 66876		
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		11/13/23 15:27	11/14/23 09:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/13/23 15:27	11/14/23 09:41	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/13/23 15:27	11/14/23 09:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				11/13/23 15:27	11/14/23 09:41	1
o-Terphenyl	124		70 - 130				11/13/23 15:27	11/14/23 09:41	1

Lab Sample ID: LCS 880-66876/2-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 66905							Prep Batch: 66876		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10		1000	887.7		mg/Kg		89	70 - 130	
Diesel Range Organics (Over C10-C28)		1000	966.8		mg/Kg		97	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	82		70 - 130						
o-Terphenyl	88		70 - 130						

Lab Sample ID: LCSD 880-66876/3-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 66905							Prep Batch: 66876			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10		1000	833.8		mg/Kg		83	70 - 130	6	20
Diesel Range Organics (Over C10-C28)		1000	863.7		mg/Kg		86	70 - 130	11	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
1-Chlorooctane	82		70 - 130							
o-Terphenyl	93		70 - 130							

Lab Sample ID: 890-5612-1 MS							Client Sample ID: A - 01		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 66905							Prep Batch: 66876		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	1050		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1085		mg/Kg		106	70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

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

Lab Sample ID: 890-5612-1 MS
Matrix: Solid
Analysis Batch: 66905

Client Sample ID: A - 01
Prep Type: Total/NA
Prep Batch: 66876

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 890-5612-1 MSD
Matrix: Solid
Analysis Batch: 66905

Client Sample ID: A - 01
Prep Type: Total/NA
Prep Batch: 66876

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	<49.8	U	1000	1019		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1020		mg/Kg		99	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	99		70 - 130								
o-Terphenyl	79		70 - 130								

Lab Sample ID: MB 880-66877/1-A
Matrix: Solid
Analysis Batch: 66908

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66877

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		11/13/23 15:31	11/14/23 09:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/13/23 15:31	11/14/23 09:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/13/23 15:31	11/14/23 09:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				11/13/23 15:31	11/14/23 09:41	1
o-Terphenyl	133	S1+	70 - 130				11/13/23 15:31	11/14/23 09:41	1

Lab Sample ID: LCS 880-66877/2-A
Matrix: Solid
Analysis Batch: 66908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	896.9		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	822.2		mg/Kg		82	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	84		70 - 130				
o-Terphenyl	97		70 - 130				

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

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

Lab Sample ID: LCSD 880-66877/3-A
Matrix: Solid
Analysis Batch: 66908

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66877

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	895.5		mg/Kg		90	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	847.4		mg/Kg		85	70 - 130	3	20
	LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	86		70 - 130						
o-Terphenyl	98		70 - 130						

Lab Sample ID: 890-5612-21 MS
Matrix: Solid
Analysis Batch: 66908

Client Sample ID: H - 01
Prep Type: Total/NA
Prep Batch: 66877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1182		mg/Kg		116	70 - 130		
Diesel Range Organics (Over C10-C28)	103	F1	997	903.2		mg/Kg		80	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	99		70 - 130								

Lab Sample ID: 890-5612-21 MSD
Matrix: Solid
Analysis Batch: 66908

Client Sample ID: H - 01
Prep Type: Total/NA
Prep Batch: 66877

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	1040		mg/Kg		102	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	103	F1	997	781.4	F1	mg/Kg		68	70 - 130	14	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	88		70 - 130								
o-Terphenyl	86		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-66917/1-A
Matrix: Solid
Analysis Batch: 67000

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			11/14/23 16:30	1

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-66917/2-A Matrix: Solid Analysis Batch: 67000										Client Sample ID: Lab Control Sample Prep Type: Soluble				
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits					
Chloride			250	229.7		mg/Kg		92	90 - 110					
Lab Sample ID: LCSD 880-66917/3-A Matrix: Solid Analysis Batch: 67000										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	229.6		mg/Kg		92	90 - 110	0	20			
Lab Sample ID: MB 880-66918/1-A Matrix: Solid Analysis Batch: 67001										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			11/14/23 19:48	1				
Lab Sample ID: LCS 880-66918/2-A Matrix: Solid Analysis Batch: 67001										Client Sample ID: Lab Control Sample Prep Type: Soluble				
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits					
Chloride			250	226.8		mg/Kg		91	90 - 110					
Lab Sample ID: LCSD 880-66918/3-A Matrix: Solid Analysis Batch: 67001										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	227.4		mg/Kg		91	90 - 110	0	20			
Lab Sample ID: 890-5612-2 MS Matrix: Solid Analysis Batch: 67001										Client Sample ID: A - 02 Prep Type: Soluble				
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits					
Chloride	6.40	F1	253	231.2	F1	mg/Kg		89	90 - 110					
Lab Sample ID: 890-5612-2 MSD Matrix: Solid Analysis Batch: 67001										Client Sample ID: A - 02 Prep Type: Soluble				
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit			
Chloride	6.40	F1	253	229.7	F1	mg/Kg		88	90 - 110	1	20			
Lab Sample ID: 890-5612-12 MS Matrix: Solid Analysis Batch: 67001										Client Sample ID: E - 01 Prep Type: Soluble				
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits					
Chloride	670	F1	251	862.2	F1	mg/Kg		77	90 - 110					

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QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-5612-12 MSD
Matrix: Solid
Analysis Batch: 67001

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	670	F1	251	859.4	F1	mg/Kg	-	76	90 - 110	0	20

Client Sample ID: E - 01
Prep Type: Soluble

Lab Sample ID: MB 880-66919/1-A
Matrix: Solid
Analysis Batch: 67048

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg	-		11/15/23 13:12	1

Client Sample ID: Method Blank
Prep Type: Soluble

Lab Sample ID: LCS 880-66919/2-A
Matrix: Solid
Analysis Batch: 67048

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.7		mg/Kg		100	90 - 110

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Lab Sample ID: LCSD 880-66919/3-A
Matrix: Solid
Analysis Batch: 67048

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.0		mg/Kg		100	90 - 110	0	20

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Lab Sample ID: 890-5612-31 MS
Matrix: Solid
Analysis Batch: 67048

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	94.0		252	335.3		mg/Kg	-	96	90 - 110

Client Sample ID: K - 01
Prep Type: Soluble

Lab Sample ID: 890-5612-31 MSD
Matrix: Solid
Analysis Batch: 67048

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	94.0		252	335.7		mg/Kg	-	96	90 - 110	0	20

Client Sample ID: K - 01
Prep Type: Soluble

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

GC VOA

Prep Batch: 66981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-1	A - 01	Total/NA	Solid	5035	
890-5612-2	A - 02	Total/NA	Solid	5035	
890-5612-3	A - 03	Total/NA	Solid	5035	
890-5612-4	B - 01	Total/NA	Solid	5035	
890-5612-5	B - 02	Total/NA	Solid	5035	
890-5612-6	B - 03	Total/NA	Solid	5035	
890-5612-7	C - 01	Total/NA	Solid	5035	
MB 880-66981/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66981/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-66981/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5612-1 MS	A - 01	Total/NA	Solid	5035	
890-5612-1 MSD	A - 01	Total/NA	Solid	5035	

Prep Batch: 66982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-21	H - 01	Total/NA	Solid	5035	
890-5612-22	H - 01	Total/NA	Solid	5035	
890-5612-23	I - 01	Total/NA	Solid	5035	
890-5612-24	I - 01	Total/NA	Solid	5035	
890-5612-25	I - 01	Total/NA	Solid	5035	
890-5612-26	J - 01	Total/NA	Solid	5035	
890-5612-27	J - 01	Total/NA	Solid	5035	
890-5612-28	J - 01	Total/NA	Solid	5035	
890-5612-29	K - 01	Total/NA	Solid	5035	
890-5612-30	K - 01	Total/NA	Solid	5035	
890-5612-31	K - 01	Total/NA	Solid	5035	
890-5612-32	L - 01	Total/NA	Solid	5035	
890-5612-33	L - 01	Total/NA	Solid	5035	
890-5612-34	L - 01	Total/NA	Solid	5035	
890-5612-35	M - 01	Total/NA	Solid	5035	
890-5612-36	M - 01	Total/NA	Solid	5035	
890-5612-37	M - 01	Total/NA	Solid	5035	
890-5612-38	N - 01	Total/NA	Solid	5035	
890-5612-39	N - 01	Total/NA	Solid	5035	
890-5612-40	N - 01	Total/NA	Solid	5035	
MB 880-66982/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66982/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-66982/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5612-21 MS	H - 01	Total/NA	Solid	5035	
890-5612-21 MSD	H - 01	Total/NA	Solid	5035	

Analysis Batch: 67251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-1	A - 01	Total/NA	Solid	8021B	66981
890-5612-2	A - 02	Total/NA	Solid	8021B	66981
890-5612-3	A - 03	Total/NA	Solid	8021B	66981
890-5612-4	B - 01	Total/NA	Solid	8021B	66981
890-5612-5	B - 02	Total/NA	Solid	8021B	66981
890-5612-6	B - 03	Total/NA	Solid	8021B	66981
890-5612-7	C - 01	Total/NA	Solid	8021B	66981
MB 880-66981/5-A	Method Blank	Total/NA	Solid	8021B	66981

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

GC VOA (Continued)

Analysis Batch: 67251 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-66981/1-A	Lab Control Sample	Total/NA	Solid	8021B	66981
LCSD 880-66981/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66981
890-5612-1 MS	A - 01	Total/NA	Solid	8021B	66981
890-5612-1 MSD	A - 01	Total/NA	Solid	8021B	66981

Analysis Batch: 67369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-8	D - 01	Total/NA	Solid	8021B	67371
890-5612-9	D -01	Total/NA	Solid	8021B	67371
890-5612-10	D -01	Total/NA	Solid	8021B	67371
890-5612-11	E - 01	Total/NA	Solid	8021B	67371
890-5612-12	E - 01	Total/NA	Solid	8021B	67371
890-5612-13	E - 01	Total/NA	Solid	8021B	67371
890-5612-14	F - 01	Total/NA	Solid	8021B	67371
890-5612-15	F - 01	Total/NA	Solid	8021B	67371
890-5612-16	F - 01	Total/NA	Solid	8021B	67371
890-5612-17	G - 01	Total/NA	Solid	8021B	67371
890-5612-18	G - 01	Total/NA	Solid	8021B	67371
MB 880-67371/5-A	Method Blank	Total/NA	Solid	8021B	67371
LCS 880-67371/1-A	Lab Control Sample	Total/NA	Solid	8021B	67371
LCSD 880-67371/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67371

Prep Batch: 67371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-8	D - 01	Total/NA	Solid	5035	
890-5612-9	D -01	Total/NA	Solid	5035	
890-5612-10	D -01	Total/NA	Solid	5035	
890-5612-11	E - 01	Total/NA	Solid	5035	
890-5612-12	E - 01	Total/NA	Solid	5035	
890-5612-13	E - 01	Total/NA	Solid	5035	
890-5612-14	F - 01	Total/NA	Solid	5035	
890-5612-15	F - 01	Total/NA	Solid	5035	
890-5612-16	F - 01	Total/NA	Solid	5035	
890-5612-17	G - 01	Total/NA	Solid	5035	
890-5612-18	G - 01	Total/NA	Solid	5035	
MB 880-67371/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67371/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67371/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 67461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-1	A - 01	Total/NA	Solid	Total BTEX	
890-5612-2	A - 02	Total/NA	Solid	Total BTEX	
890-5612-3	A - 03	Total/NA	Solid	Total BTEX	
890-5612-4	B - 01	Total/NA	Solid	Total BTEX	
890-5612-5	B - 02	Total/NA	Solid	Total BTEX	
890-5612-6	B - 03	Total/NA	Solid	Total BTEX	
890-5612-7	C - 01	Total/NA	Solid	Total BTEX	
890-5612-8	D - 01	Total/NA	Solid	Total BTEX	
890-5612-9	D -01	Total/NA	Solid	Total BTEX	
890-5612-10	D -01	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

GC VOA (Continued)

Analysis Batch: 67461 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-11	E - 01	Total/NA	Solid	Total BTEX	
890-5612-12	E - 01	Total/NA	Solid	Total BTEX	
890-5612-13	E - 01	Total/NA	Solid	Total BTEX	
890-5612-14	F - 01	Total/NA	Solid	Total BTEX	
890-5612-15	F - 01	Total/NA	Solid	Total BTEX	
890-5612-16	F - 01	Total/NA	Solid	Total BTEX	
890-5612-17	G - 01	Total/NA	Solid	Total BTEX	
890-5612-18	G - 01	Total/NA	Solid	Total BTEX	
890-5612-19	G - 01	Total/NA	Solid	Total BTEX	
890-5612-20	H - 01	Total/NA	Solid	Total BTEX	
890-5612-21	H - 01	Total/NA	Solid	Total BTEX	
890-5612-22	H - 01	Total/NA	Solid	Total BTEX	
890-5612-23	I - 01	Total/NA	Solid	Total BTEX	
890-5612-24	I - 01	Total/NA	Solid	Total BTEX	
890-5612-25	I - 01	Total/NA	Solid	Total BTEX	
890-5612-26	J - 01	Total/NA	Solid	Total BTEX	
890-5612-27	J - 01	Total/NA	Solid	Total BTEX	
890-5612-28	J - 01	Total/NA	Solid	Total BTEX	
890-5612-29	K - 01	Total/NA	Solid	Total BTEX	
890-5612-30	K - 01	Total/NA	Solid	Total BTEX	
890-5612-31	K - 01	Total/NA	Solid	Total BTEX	
890-5612-32	L - 01	Total/NA	Solid	Total BTEX	
890-5612-33	L - 01	Total/NA	Solid	Total BTEX	
890-5612-34	L - 01	Total/NA	Solid	Total BTEX	
890-5612-35	M - 01	Total/NA	Solid	Total BTEX	
890-5612-36	M - 01	Total/NA	Solid	Total BTEX	
890-5612-37	M - 01	Total/NA	Solid	Total BTEX	
890-5612-38	N - 01	Total/NA	Solid	Total BTEX	
890-5612-39	N - 01	Total/NA	Solid	Total BTEX	
890-5612-40	N - 01	Total/NA	Solid	Total BTEX	

Prep Batch: 67568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-19	G - 01	Total/NA	Solid	5035	
890-5612-20	H - 01	Total/NA	Solid	5035	
MB 880-67568/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67568/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67568/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 67631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-21	H - 01	Total/NA	Solid	8021B	66982
890-5612-22	H - 01	Total/NA	Solid	8021B	66982
890-5612-23	I - 01	Total/NA	Solid	8021B	66982
890-5612-24	I - 01	Total/NA	Solid	8021B	66982
890-5612-25	I - 01	Total/NA	Solid	8021B	66982
890-5612-26	J - 01	Total/NA	Solid	8021B	66982
890-5612-27	J - 01	Total/NA	Solid	8021B	66982
890-5612-28	J - 01	Total/NA	Solid	8021B	66982
890-5612-29	K - 01	Total/NA	Solid	8021B	66982
890-5612-30	K - 01	Total/NA	Solid	8021B	66982

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

GC VOA (Continued)

Analysis Batch: 67631 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-31	K - 01	Total/NA	Solid	8021B	66982
890-5612-32	L - 01	Total/NA	Solid	8021B	66982
890-5612-33	L - 01	Total/NA	Solid	8021B	66982
890-5612-34	L - 01	Total/NA	Solid	8021B	66982
890-5612-35	M - 01	Total/NA	Solid	8021B	66982
890-5612-36	M - 01	Total/NA	Solid	8021B	66982
890-5612-37	M - 01	Total/NA	Solid	8021B	66982
890-5612-38	N - 01	Total/NA	Solid	8021B	66982
890-5612-39	N - 01	Total/NA	Solid	8021B	66982
890-5612-40	N - 01	Total/NA	Solid	8021B	66982
MB 880-66982/5-A	Method Blank	Total/NA	Solid	8021B	66982
LCS 880-66982/1-A	Lab Control Sample	Total/NA	Solid	8021B	66982
LCSD 880-66982/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66982
890-5612-21 MS	H - 01	Total/NA	Solid	8021B	66982
890-5612-21 MSD	H - 01	Total/NA	Solid	8021B	66982

Analysis Batch: 67637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-19	G - 01	Total/NA	Solid	8021B	67568
890-5612-20	H - 01	Total/NA	Solid	8021B	67568
MB 880-67568/5-A	Method Blank	Total/NA	Solid	8021B	67568
LCS 880-67568/1-A	Lab Control Sample	Total/NA	Solid	8021B	67568
LCSD 880-67568/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67568

GC Semi VOA

Prep Batch: 66876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-1	A - 01	Total/NA	Solid	8015NM Prep	
890-5612-2	A - 02	Total/NA	Solid	8015NM Prep	
890-5612-3	A - 03	Total/NA	Solid	8015NM Prep	
890-5612-4	B - 01	Total/NA	Solid	8015NM Prep	
890-5612-5	B - 02	Total/NA	Solid	8015NM Prep	
890-5612-6	B - 03	Total/NA	Solid	8015NM Prep	
890-5612-7	C - 01	Total/NA	Solid	8015NM Prep	
890-5612-8	D - 01	Total/NA	Solid	8015NM Prep	
890-5612-9	D -01	Total/NA	Solid	8015NM Prep	
890-5612-10	D -01	Total/NA	Solid	8015NM Prep	
890-5612-11	E - 01	Total/NA	Solid	8015NM Prep	
890-5612-12	E - 01	Total/NA	Solid	8015NM Prep	
890-5612-13	E - 01	Total/NA	Solid	8015NM Prep	
890-5612-14	F - 01	Total/NA	Solid	8015NM Prep	
890-5612-15	F - 01	Total/NA	Solid	8015NM Prep	
890-5612-16	F - 01	Total/NA	Solid	8015NM Prep	
890-5612-17	G - 01	Total/NA	Solid	8015NM Prep	
890-5612-18	G - 01	Total/NA	Solid	8015NM Prep	
890-5612-19	G - 01	Total/NA	Solid	8015NM Prep	
890-5612-20	H - 01	Total/NA	Solid	8015NM Prep	
MB 880-66876/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-66876/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-66876/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

GC Semi VOA (Continued)

Prep Batch: 66876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-1 MS	A - 01	Total/NA	Solid	8015NM Prep	
890-5612-1 MSD	A - 01	Total/NA	Solid	8015NM Prep	

Prep Batch: 66877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-21	H - 01	Total/NA	Solid	8015NM Prep	
890-5612-22	H - 01	Total/NA	Solid	8015NM Prep	
890-5612-23	I - 01	Total/NA	Solid	8015NM Prep	
890-5612-24	I - 01	Total/NA	Solid	8015NM Prep	
890-5612-25	I - 01	Total/NA	Solid	8015NM Prep	
890-5612-26	J - 01	Total/NA	Solid	8015NM Prep	
890-5612-27	J - 01	Total/NA	Solid	8015NM Prep	
890-5612-28	J - 01	Total/NA	Solid	8015NM Prep	
890-5612-29	K - 01	Total/NA	Solid	8015NM Prep	
890-5612-30	K - 01	Total/NA	Solid	8015NM Prep	
890-5612-31	K - 01	Total/NA	Solid	8015NM Prep	
890-5612-32	L - 01	Total/NA	Solid	8015NM Prep	
890-5612-33	L - 01	Total/NA	Solid	8015NM Prep	
890-5612-34	L - 01	Total/NA	Solid	8015NM Prep	
890-5612-35	M - 01	Total/NA	Solid	8015NM Prep	
890-5612-36	M - 01	Total/NA	Solid	8015NM Prep	
890-5612-37	M - 01	Total/NA	Solid	8015NM Prep	
890-5612-38	N - 01	Total/NA	Solid	8015NM Prep	
890-5612-39	N - 01	Total/NA	Solid	8015NM Prep	
890-5612-40	N - 01	Total/NA	Solid	8015NM Prep	
MB 880-66877/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-66877/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-66877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5612-21 MS	H - 01	Total/NA	Solid	8015NM Prep	
890-5612-21 MSD	H - 01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 66905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-1	A - 01	Total/NA	Solid	8015B NM	66876
890-5612-2	A - 02	Total/NA	Solid	8015B NM	66876
890-5612-3	A - 03	Total/NA	Solid	8015B NM	66876
890-5612-4	B - 01	Total/NA	Solid	8015B NM	66876
890-5612-5	B - 02	Total/NA	Solid	8015B NM	66876
890-5612-6	B - 03	Total/NA	Solid	8015B NM	66876
890-5612-7	C - 01	Total/NA	Solid	8015B NM	66876
890-5612-8	D - 01	Total/NA	Solid	8015B NM	66876
890-5612-9	D - 01	Total/NA	Solid	8015B NM	66876
890-5612-10	D - 01	Total/NA	Solid	8015B NM	66876
890-5612-11	E - 01	Total/NA	Solid	8015B NM	66876
890-5612-12	E - 01	Total/NA	Solid	8015B NM	66876
890-5612-13	E - 01	Total/NA	Solid	8015B NM	66876
890-5612-14	F - 01	Total/NA	Solid	8015B NM	66876
890-5612-15	F - 01	Total/NA	Solid	8015B NM	66876
890-5612-16	F - 01	Total/NA	Solid	8015B NM	66876
890-5612-17	G - 01	Total/NA	Solid	8015B NM	66876
890-5612-18	G - 01	Total/NA	Solid	8015B NM	66876

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

GC Semi VOA (Continued)

Analysis Batch: 66905 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-19	G - 01	Total/NA	Solid	8015B NM	66876
890-5612-20	H - 01	Total/NA	Solid	8015B NM	66876
MB 880-66876/1-A	Method Blank	Total/NA	Solid	8015B NM	66876
LCS 880-66876/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66876
LCSD 880-66876/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66876
890-5612-1 MS	A - 01	Total/NA	Solid	8015B NM	66876
890-5612-1 MSD	A - 01	Total/NA	Solid	8015B NM	66876

Analysis Batch: 66908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-21	H - 01	Total/NA	Solid	8015B NM	66877
890-5612-22	H - 01	Total/NA	Solid	8015B NM	66877
890-5612-23	I - 01	Total/NA	Solid	8015B NM	66877
890-5612-24	I - 01	Total/NA	Solid	8015B NM	66877
890-5612-25	I - 01	Total/NA	Solid	8015B NM	66877
890-5612-26	J - 01	Total/NA	Solid	8015B NM	66877
890-5612-27	J - 01	Total/NA	Solid	8015B NM	66877
890-5612-28	J - 01	Total/NA	Solid	8015B NM	66877
890-5612-29	K - 01	Total/NA	Solid	8015B NM	66877
890-5612-30	K - 01	Total/NA	Solid	8015B NM	66877
890-5612-31	K - 01	Total/NA	Solid	8015B NM	66877
890-5612-32	L - 01	Total/NA	Solid	8015B NM	66877
890-5612-33	L - 01	Total/NA	Solid	8015B NM	66877
890-5612-34	L - 01	Total/NA	Solid	8015B NM	66877
890-5612-35	M - 01	Total/NA	Solid	8015B NM	66877
890-5612-36	M - 01	Total/NA	Solid	8015B NM	66877
890-5612-37	M - 01	Total/NA	Solid	8015B NM	66877
890-5612-38	N - 01	Total/NA	Solid	8015B NM	66877
890-5612-39	N - 01	Total/NA	Solid	8015B NM	66877
890-5612-40	N - 01	Total/NA	Solid	8015B NM	66877
MB 880-66877/1-A	Method Blank	Total/NA	Solid	8015B NM	66877
LCS 880-66877/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66877
LCSD 880-66877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66877
890-5612-21 MS	H - 01	Total/NA	Solid	8015B NM	66877
890-5612-21 MSD	H - 01	Total/NA	Solid	8015B NM	66877

Analysis Batch: 67043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-1	A - 01	Total/NA	Solid	8015 NM	
890-5612-2	A - 02	Total/NA	Solid	8015 NM	
890-5612-3	A - 03	Total/NA	Solid	8015 NM	
890-5612-4	B - 01	Total/NA	Solid	8015 NM	
890-5612-5	B - 02	Total/NA	Solid	8015 NM	
890-5612-6	B - 03	Total/NA	Solid	8015 NM	
890-5612-7	C - 01	Total/NA	Solid	8015 NM	
890-5612-8	D - 01	Total/NA	Solid	8015 NM	
890-5612-9	D - 01	Total/NA	Solid	8015 NM	
890-5612-10	D - 01	Total/NA	Solid	8015 NM	
890-5612-11	E - 01	Total/NA	Solid	8015 NM	
890-5612-12	E - 01	Total/NA	Solid	8015 NM	
890-5612-13	E - 01	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

GC Semi VOA (Continued)

Analysis Batch: 67043 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-14	F - 01	Total/NA	Solid	8015 NM	
890-5612-15	F - 01	Total/NA	Solid	8015 NM	
890-5612-16	F - 01	Total/NA	Solid	8015 NM	
890-5612-17	G - 01	Total/NA	Solid	8015 NM	
890-5612-18	G - 01	Total/NA	Solid	8015 NM	
890-5612-19	G - 01	Total/NA	Solid	8015 NM	
890-5612-20	H - 01	Total/NA	Solid	8015 NM	
890-5612-21	H - 01	Total/NA	Solid	8015 NM	
890-5612-22	H - 01	Total/NA	Solid	8015 NM	
890-5612-23	I - 01	Total/NA	Solid	8015 NM	
890-5612-24	I - 01	Total/NA	Solid	8015 NM	
890-5612-25	I - 01	Total/NA	Solid	8015 NM	
890-5612-26	J - 01	Total/NA	Solid	8015 NM	
890-5612-27	J - 01	Total/NA	Solid	8015 NM	
890-5612-28	J - 01	Total/NA	Solid	8015 NM	
890-5612-29	K - 01	Total/NA	Solid	8015 NM	
890-5612-30	K - 01	Total/NA	Solid	8015 NM	
890-5612-31	K - 01	Total/NA	Solid	8015 NM	
890-5612-32	L - 01	Total/NA	Solid	8015 NM	
890-5612-33	L - 01	Total/NA	Solid	8015 NM	
890-5612-34	L - 01	Total/NA	Solid	8015 NM	
890-5612-35	M - 01	Total/NA	Solid	8015 NM	
890-5612-36	M - 01	Total/NA	Solid	8015 NM	
890-5612-37	M - 01	Total/NA	Solid	8015 NM	
890-5612-38	N - 01	Total/NA	Solid	8015 NM	
890-5612-39	N - 01	Total/NA	Solid	8015 NM	
890-5612-40	N - 01	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 66917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-1	A - 01	Soluble	Solid	DI Leach	
MB 880-66917/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66917/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66917/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 66918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-2	A - 02	Soluble	Solid	DI Leach	
890-5612-3	A - 03	Soluble	Solid	DI Leach	
890-5612-4	B - 01	Soluble	Solid	DI Leach	
890-5612-5	B - 02	Soluble	Solid	DI Leach	
890-5612-6	B - 03	Soluble	Solid	DI Leach	
890-5612-7	C - 01	Soluble	Solid	DI Leach	
890-5612-8	D - 01	Soluble	Solid	DI Leach	
890-5612-9	D - 01	Soluble	Solid	DI Leach	
890-5612-10	D - 01	Soluble	Solid	DI Leach	
890-5612-11	E - 01	Soluble	Solid	DI Leach	
890-5612-12	E - 01	Soluble	Solid	DI Leach	
890-5612-13	E - 01	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

HPLC/IC (Continued)

Leach Batch: 66918 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-14	F - 01	Soluble	Solid	DI Leach	
890-5612-15	F - 01	Soluble	Solid	DI Leach	
890-5612-16	F - 01	Soluble	Solid	DI Leach	
890-5612-17	G - 01	Soluble	Solid	DI Leach	
890-5612-18	G - 01	Soluble	Solid	DI Leach	
890-5612-19	G - 01	Soluble	Solid	DI Leach	
890-5612-20	H - 01	Soluble	Solid	DI Leach	
890-5612-21	H - 01	Soluble	Solid	DI Leach	
MB 880-66918/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66918/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66918/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5612-2 MS	A - 02	Soluble	Solid	DI Leach	
890-5612-2 MSD	A - 02	Soluble	Solid	DI Leach	
890-5612-12 MS	E - 01	Soluble	Solid	DI Leach	
890-5612-12 MSD	E - 01	Soluble	Solid	DI Leach	

Leach Batch: 66919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-22	H - 01	Soluble	Solid	DI Leach	
890-5612-23	I - 01	Soluble	Solid	DI Leach	
890-5612-24	I - 01	Soluble	Solid	DI Leach	
890-5612-25	I - 01	Soluble	Solid	DI Leach	
890-5612-26	J - 01	Soluble	Solid	DI Leach	
890-5612-27	J - 01	Soluble	Solid	DI Leach	
890-5612-28	J - 01	Soluble	Solid	DI Leach	
890-5612-29	K - 01	Soluble	Solid	DI Leach	
890-5612-30	K - 01	Soluble	Solid	DI Leach	
890-5612-31	K - 01	Soluble	Solid	DI Leach	
890-5612-32	L - 01	Soluble	Solid	DI Leach	
890-5612-33	L - 01	Soluble	Solid	DI Leach	
890-5612-34	L - 01	Soluble	Solid	DI Leach	
890-5612-35	M - 01	Soluble	Solid	DI Leach	
890-5612-36	M - 01	Soluble	Solid	DI Leach	
890-5612-37	M - 01	Soluble	Solid	DI Leach	
890-5612-38	N - 01	Soluble	Solid	DI Leach	
890-5612-39	N - 01	Soluble	Solid	DI Leach	
890-5612-40	N - 01	Soluble	Solid	DI Leach	
MB 880-66919/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66919/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66919/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5612-31 MS	K - 01	Soluble	Solid	DI Leach	
890-5612-31 MSD	K - 01	Soluble	Solid	DI Leach	

Analysis Batch: 67000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-1	A - 01	Soluble	Solid	300.0	66917
MB 880-66917/1-A	Method Blank	Soluble	Solid	300.0	66917
LCS 880-66917/2-A	Lab Control Sample	Soluble	Solid	300.0	66917
LCSD 880-66917/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66917

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

HPLC/IC

Analysis Batch: 67001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-2	A - 02	Soluble	Solid	300.0	66918
890-5612-3	A - 03	Soluble	Solid	300.0	66918
890-5612-4	B - 01	Soluble	Solid	300.0	66918
890-5612-5	B - 02	Soluble	Solid	300.0	66918
890-5612-6	B - 03	Soluble	Solid	300.0	66918
890-5612-7	C - 01	Soluble	Solid	300.0	66918
890-5612-8	D - 01	Soluble	Solid	300.0	66918
890-5612-9	D - 01	Soluble	Solid	300.0	66918
890-5612-10	D - 01	Soluble	Solid	300.0	66918
890-5612-11	E - 01	Soluble	Solid	300.0	66918
890-5612-12	E - 01	Soluble	Solid	300.0	66918
890-5612-13	E - 01	Soluble	Solid	300.0	66918
890-5612-14	F - 01	Soluble	Solid	300.0	66918
890-5612-15	F - 01	Soluble	Solid	300.0	66918
890-5612-16	F - 01	Soluble	Solid	300.0	66918
890-5612-17	G - 01	Soluble	Solid	300.0	66918
890-5612-18	G - 01	Soluble	Solid	300.0	66918
890-5612-19	G - 01	Soluble	Solid	300.0	66918
890-5612-20	H - 01	Soluble	Solid	300.0	66918
890-5612-21	H - 01	Soluble	Solid	300.0	66918
MB 880-66918/1-A	Method Blank	Soluble	Solid	300.0	66918
LCS 880-66918/2-A	Lab Control Sample	Soluble	Solid	300.0	66918
LCSD 880-66918/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66918
890-5612-2 MS	A - 02	Soluble	Solid	300.0	66918
890-5612-2 MSD	A - 02	Soluble	Solid	300.0	66918
890-5612-12 MS	E - 01	Soluble	Solid	300.0	66918
890-5612-12 MSD	E - 01	Soluble	Solid	300.0	66918

Analysis Batch: 67048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5612-22	H - 01	Soluble	Solid	300.0	66919
890-5612-23	I - 01	Soluble	Solid	300.0	66919
890-5612-24	I - 01	Soluble	Solid	300.0	66919
890-5612-25	I - 01	Soluble	Solid	300.0	66919
890-5612-26	J - 01	Soluble	Solid	300.0	66919
890-5612-27	J - 01	Soluble	Solid	300.0	66919
890-5612-28	J - 01	Soluble	Solid	300.0	66919
890-5612-29	K - 01	Soluble	Solid	300.0	66919
890-5612-30	K - 01	Soluble	Solid	300.0	66919
890-5612-31	K - 01	Soluble	Solid	300.0	66919
890-5612-32	L - 01	Soluble	Solid	300.0	66919
890-5612-33	L - 01	Soluble	Solid	300.0	66919
890-5612-34	L - 01	Soluble	Solid	300.0	66919
890-5612-35	M - 01	Soluble	Solid	300.0	66919
890-5612-36	M - 01	Soluble	Solid	300.0	66919
890-5612-37	M - 01	Soluble	Solid	300.0	66919
890-5612-38	N - 01	Soluble	Solid	300.0	66919
890-5612-39	N - 01	Soluble	Solid	300.0	66919
890-5612-40	N - 01	Soluble	Solid	300.0	66919
MB 880-66919/1-A	Method Blank	Soluble	Solid	300.0	66919
LCS 880-66919/2-A	Lab Control Sample	Soluble	Solid	300.0	66919

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

HPLC/IC (Continued)

Analysis Batch: 67048 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-66919/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66919
890-5612-31 MS	K - 01	Soluble	Solid	300.0	66919
890-5612-31 MSD	K - 01	Soluble	Solid	300.0	66919

- 1
- 2
- 3
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- 12
- 13
- 14

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: A - 01

Date Collected: 11/09/23 10:30

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-1

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	66981	11/14/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67251	11/17/23 12:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/17/23 12:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 12:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 12:28	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	66917	11/14/23 08:07	SA	EET MID
Soluble	Analysis	300.0		1			67000	11/14/23 19:19	CH	EET MID

Client Sample ID: A - 02

Date Collected: 11/09/23 10:34

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66981	11/14/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67251	11/17/23 12:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/17/23 12:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 13:37	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 13:37	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 20:05	CH	EET MID

Client Sample ID: A - 03

Date Collected: 11/09/23 10:36

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-3

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	66981	11/14/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67251	11/17/23 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/17/23 13:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 14:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 14:01	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 20:22	CH	EET MID

Client Sample ID: B - 01

Date Collected: 11/09/23 10:40

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	66981	11/14/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67251	11/17/23 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/17/23 13:30	SM	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: B - 01

Date Collected: 11/09/23 10:40

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			67043	11/14/23 14:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 14:24	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 20:27	CH	EET MID

Client Sample ID: B - 02

Date Collected: 11/09/23 10:44

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	66981	11/14/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67251	11/17/23 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/17/23 13:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 14:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 14:48	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 20:33	CH	EET MID

Client Sample ID: B - 03

Date Collected: 11/09/23 10:48

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66981	11/14/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67251	11/17/23 14:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/17/23 14:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 15:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 15:11	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 20:39	CH	EET MID

Client Sample ID: C - 01

Date Collected: 11/09/23 10:50

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	66981	11/14/23 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67251	11/17/23 14:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/17/23 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 15:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 15:34	SM	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: C - 01

Date Collected: 11/09/23 10:50

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-7

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			4.99 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 20:56	CH	EET MID

Client Sample ID: D - 01

Date Collected: 11/09/23 11:00

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67371	11/20/23 08:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/20/23 13:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/20/23 13:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 15:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 15:57	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 21:01	CH	EET MID

Client Sample ID: D -01

Date Collected: 11/09/23 11:04

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	67371	11/20/23 08:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/20/23 17:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/20/23 17:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 16:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 16:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 21:07	CH	EET MID

Client Sample ID: D -01

Date Collected: 11/09/23 11:08

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-10

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			4.97 g	5 mL	67371	11/20/23 08:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/20/23 18:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/20/23 18:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 16:44	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 16:44	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 21:13	CH	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: E - 01
Date Collected: 11/09/23 11:12
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-11
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	67371	11/20/23 08:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/20/23 18:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/20/23 18:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 18:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 18:22	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 21:18	CH	EET MID

Client Sample ID: E - 01
Date Collected: 11/09/23 11:15
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67371	11/20/23 08:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/20/23 19:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/20/23 19:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 18:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 18:46	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 21:24	CH	EET MID

Client Sample ID: E - 01
Date Collected: 11/09/23 11:22
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-13
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	67371	11/20/23 08:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/20/23 19:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/20/23 19:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 19:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 19:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 21:41	CH	EET MID

Client Sample ID: F - 01
Date Collected: 11/09/23 11:24
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-14
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			5.05 g	5 mL	67371	11/20/23 08:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/20/23 19:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/20/23 19:41	SM	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: F - 01

Lab Sample ID: 890-5612-14

Date Collected: 11/09/23 11:24

Matrix: Solid

Date Received: 11/10/23 10:31

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			67043	11/14/23 19:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 19:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 21:46	CH	EET MID

Client Sample ID: F - 01

Lab Sample ID: 890-5612-15

Date Collected: 11/09/23 11:26

Matrix: Solid

Date Received: 11/10/23 10:31

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	67371	11/20/23 08:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/20/23 20:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/20/23 20:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 19:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 19:55	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 22:03	CH	EET MID

Client Sample ID: F - 01

Lab Sample ID: 890-5612-16

Date Collected: 11/09/23 11:29

Matrix: Solid

Date Received: 11/10/23 10:31

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	67371	11/20/23 08:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/20/23 20:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/20/23 20:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 20:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 20:18	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 22:09	CH	EET MID

Client Sample ID: G - 01

Lab Sample ID: 890-5612-17

Date Collected: 11/09/23 11:34

Matrix: Solid

Date Received: 11/10/23 10:31

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	67371	11/20/23 08:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/20/23 20:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/20/23 20:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 20:41	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 20:41	SM	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: G - 01
Date Collected: 11/09/23 11:34
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-17
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			4.96 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 22:14	CH	EET MID

Client Sample ID: G - 01
Date Collected: 11/09/23 11:38
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-18
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			4.96 g	5 mL	67371	11/20/23 08:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67369	11/20/23 21:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/20/23 21:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 21:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 21:04	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 22:20	CH	EET MID

Client Sample ID: G - 01
Date Collected: 11/09/23 11:42
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-19
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	67568	11/21/23 14:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67637	11/22/23 16:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 16:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 21:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 21:27	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 22:26	CH	EET MID

Client Sample ID: H - 01
Date Collected: 11/09/23 11:46
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	67568	11/21/23 14:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67637	11/22/23 17:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 17:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 21:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	66876	11/13/23 15:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/14/23 21:50	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 22:31	CH	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: H - 01

Lab Sample ID: 890-5612-21

Date Collected: 11/09/23 11:49

Matrix: Solid

Date Received: 11/10/23 10:31

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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 16:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 16:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 12:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 12:28	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	66918	11/14/23 08:09	SA	EET MID
Soluble	Analysis	300.0		1			67001	11/14/23 22:37	CH	EET MID

Client Sample ID: H - 01

Lab Sample ID: 890-5612-22

Date Collected: 11/09/23 11:54

Matrix: Solid

Date Received: 11/10/23 10:31

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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 16:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 16:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 13:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 13:37	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 13:46	SMC	EET MID

Client Sample ID: I - 01

Lab Sample ID: 890-5612-23

Date Collected: 11/09/23 11:58

Matrix: Solid

Date Received: 11/10/23 10:31

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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 16:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 16:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 14:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 14:01	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 13:52	SMC	EET MID

Client Sample ID: I - 01

Lab Sample ID: 890-5612-24

Date Collected: 11/09/23 12:04

Matrix: Solid

Date Received: 11/10/23 10:31

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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 17:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 17:12	SM	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: I - 01
Date Collected: 11/09/23 12:04
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			67043	11/14/23 14:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 14:24	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 13:58	SMC	EET MID

Client Sample ID: I - 01
Date Collected: 11/09/23 12:08
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-25
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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 17:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 17:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 14:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 14:48	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 14:03	SMC	EET MID

Client Sample ID: J - 01
Date Collected: 11/09/23 12:12
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 17:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 17:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 15:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 15:11	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 14:38	SMC	EET MID

Client Sample ID: J - 01
Date Collected: 11/09/23 12:18
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-27
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			5.05 g	5 mL	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 18:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 18:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 15:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 15:34	SM	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: J - 01

Date Collected: 11/09/23 12:18

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-27

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			4.98 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 14:43	SMC	EET MID

Client Sample ID: J - 01

Date Collected: 11/09/23 12:20

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-28

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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 18:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 18:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 15:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 15:57	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 14:49	SMC	EET MID

Client Sample ID: K - 01

Date Collected: 11/09/23 12:25

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 18:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 18:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 16:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 16:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 14:55	SMC	EET MID

Client Sample ID: K - 01

Date Collected: 11/09/23 12:29

Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-30

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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 19:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 19:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 16:44	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 16:44	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 15:00	SMC	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: K - 01

Lab Sample ID: 890-5612-31

Date Collected: 11/09/23 12:32

Matrix: Solid

Date Received: 11/10/23 10:31

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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 21:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 21:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 18:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 18:22	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 15:06	SMC	EET MID

Client Sample ID: L - 01

Lab Sample ID: 890-5612-32

Date Collected: 11/09/23 12:38

Matrix: Solid

Date Received: 11/10/23 10:31

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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 21:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 21:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 18:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 18:46	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 15:23	SMC	EET MID

Client Sample ID: L - 01

Lab Sample ID: 890-5612-33

Date Collected: 11/09/23 12:44

Matrix: Solid

Date Received: 11/10/23 10:31

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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 21:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 21:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 19:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 19:09	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 15:29	SMC	EET MID

Client Sample ID: L - 01

Lab Sample ID: 890-5612-34

Date Collected: 11/09/23 12:48

Matrix: Solid

Date Received: 11/10/23 10:31

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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 22:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 22:06	SM	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: L - 01

Lab Sample ID: 890-5612-34

Date Collected: 11/09/23 12:48

Matrix: Solid

Date Received: 11/10/23 10:31

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			67043	11/14/23 19:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 19:32	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 15:46	SMC	EET MID

Client Sample ID: M - 01

Lab Sample ID: 890-5612-35

Date Collected: 11/09/23 12:52

Matrix: Solid

Date Received: 11/10/23 10:31

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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 22:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 22:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 19:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 19:55	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 15:51	SMC	EET MID

Client Sample ID: M - 01

Lab Sample ID: 890-5612-36

Date Collected: 11/09/23 12:58

Matrix: Solid

Date Received: 11/10/23 10:31

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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 22:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 22:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 20:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 20:18	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 15:57	SMC	EET MID

Client Sample ID: M - 01

Lab Sample ID: 890-5612-37

Date Collected: 11/09/23 13:02

Matrix: Solid

Date Received: 11/10/23 10:31

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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 23:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 23:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 20:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 20:41	SM	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Client Sample ID: M - 01
Date Collected: 11/09/23 13:02
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-37
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			5.03 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 16:03	SMC	EET MID

Client Sample ID: N - 01
Date Collected: 11/09/23 13:08
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-38
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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 23:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 23:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 21:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 21:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 16:08	SMC	EET MID

Client Sample ID: N - 01
Date Collected: 11/09/23 13:14
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/22/23 23:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/22/23 23:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 21:27	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 21:27	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 16:14	SMC	EET MID

Client Sample ID: N - 01
Date Collected: 11/09/23 13:14
Date Received: 11/10/23 10:31

Lab Sample ID: 890-5612-40
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	66982	11/14/23 11:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67631	11/23/23 00:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67461	11/23/23 00:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			67043	11/14/23 21:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	66877	11/13/23 15:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 21:50	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	66919	11/14/23 08:11	SA	EET MID
Soluble	Analysis	300.0		1			67048	11/15/23 16:20	SMC	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Laboratory References:

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

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Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

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	T104704400-23-26	06-30-24
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: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

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	EPA	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
- EPA = US Environmental Protection Agency
- 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

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: RED BULL

Job ID: 890-5612-1
SDG: KH237046

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5612-1	A - 01	Solid	11/09/23 10:30	11/10/23 10:31	1.5'
890-5612-2	A - 02	Solid	11/09/23 10:34	11/10/23 10:31	1.5'
890-5612-3	A - 03	Solid	11/09/23 10:36	11/10/23 10:31	1.5'
890-5612-4	B - 01	Solid	11/09/23 10:40	11/10/23 10:31	1.5'
890-5612-5	B - 02	Solid	11/09/23 10:44	11/10/23 10:31	1.5'
890-5612-6	B - 03	Solid	11/09/23 10:48	11/10/23 10:31	1.5'
890-5612-7	C - 01	Solid	11/09/23 10:50	11/10/23 10:31	1.5'
890-5612-8	D - 01	Solid	11/09/23 11:00	11/10/23 10:31	1.5'
890-5612-9	D - 01	Solid	11/09/23 11:04	11/10/23 10:31	5'
890-5612-10	D - 01	Solid	11/09/23 11:08	11/10/23 10:31	6.5'
890-5612-11	E - 01	Solid	11/09/23 11:12	11/10/23 10:31	2.5'
890-5612-12	E - 01	Solid	11/09/23 11:15	11/10/23 10:31	5'
890-5612-13	E - 01	Solid	11/09/23 11:22	11/10/23 10:31	6.5'
890-5612-14	F - 01	Solid	11/09/23 11:24	11/10/23 10:31	2.5'
890-5612-15	F - 01	Solid	11/09/23 11:26	11/10/23 10:31	5'
890-5612-16	F - 01	Solid	11/09/23 11:29	11/10/23 10:31	6.5'
890-5612-17	G - 01	Solid	11/09/23 11:34	11/10/23 10:31	2.5'
890-5612-18	G - 01	Solid	11/09/23 11:38	11/10/23 10:31	5'
890-5612-19	G - 01	Solid	11/09/23 11:42	11/10/23 10:31	6.5'
890-5612-20	H - 01	Solid	11/09/23 11:46	11/10/23 10:31	2.5'
890-5612-21	H - 01	Solid	11/09/23 11:49	11/10/23 10:31	5'
890-5612-22	H - 01	Solid	11/09/23 11:54	11/10/23 10:31	6.5'
890-5612-23	I - 01	Solid	11/09/23 11:58	11/10/23 10:31	2.5'
890-5612-24	I - 01	Solid	11/09/23 12:04	11/10/23 10:31	5'
890-5612-25	I - 01	Solid	11/09/23 12:08	11/10/23 10:31	6.5'
890-5612-26	J - 01	Solid	11/09/23 12:12	11/10/23 10:31	2.5'
890-5612-27	J - 01	Solid	11/09/23 12:18	11/10/23 10:31	5'
890-5612-28	J - 01	Solid	11/09/23 12:20	11/10/23 10:31	6.5'
890-5612-29	K - 01	Solid	11/09/23 12:25	11/10/23 10:31	2.5'
890-5612-30	K - 01	Solid	11/09/23 12:29	11/10/23 10:31	5'
890-5612-31	K - 01	Solid	11/09/23 12:32	11/10/23 10:31	6.5'
890-5612-32	L - 01	Solid	11/09/23 12:38	11/10/23 10:31	2.5'
890-5612-33	L - 01	Solid	11/09/23 12:44	11/10/23 10:31	5'
890-5612-34	L - 01	Solid	11/09/23 12:48	11/10/23 10:31	6.5'
890-5612-35	M - 01	Solid	11/09/23 12:52	11/10/23 10:31	2.5'
890-5612-36	M - 01	Solid	11/09/23 12:58	11/10/23 10:31	5'
890-5612-37	M - 01	Solid	11/09/23 13:02	11/10/23 10:31	7'
890-5612-38	N - 01	Solid	11/09/23 13:08	11/10/23 10:31	2.5'
890-5612-39	N - 01	Solid	11/09/23 13:14	11/10/23 10:31	5'
890-5612-40	N - 01	Solid	11/09/23 13:14	11/10/23 10:31	7'



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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Wor



890-5612 Chain of Custody

Project Manager:	Joseph Guesnier	Bill to: (if different)	
Company Name:	Terracon	Company Name:	
Address:	4526 W. Pierce St	Address:	Gus Sanchez @ Terracon.com
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	Carlsbad, NM, 88220
Phone:	(806)-300-0140	Email:	Gus Sanchez, Travis Casey, Joseph Guesnier

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADaPT ☐ Other: ☐

Project Name:	Red Bull	Turn Around		ANALYSIS REQUEST										Preservative Codes			
Project Number:	KH237046	☒ Routine ☐ Rush	Pres. Code													None: NO	DI Water: H ₂ O
Project Location:		Due Date:		Parameters	Chloride (EPA 300)	BTEX (8021 B)	TPH (8015)									Cool: Cool	MeOH: Me
Sampler's Name:	Gus Sanchez & Travis Casey	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
																H ₃ PO ₄ : HP	
SAMPLE RECEIPT		Temp Blank: ☒ Yes ☐ No	Wet Ice: ☒ Yes ☐ No													NaHSO ₄ : NABIS	
Samples Received Intact:	☒ Yes ☐ No	Thermometer ID:	+NM607													Na ₂ S ₂ O ₃ : NaSO ₃	
Cooler Custody Seals:	Yes ☐ No ☒	Correction Factor:	-0.2													Zn Acetate+NaOH: Zn	
Sample Custody Seals:	Yes ☐ No ☒	Temperature Reading:	-8.6													NaOH+Ascorbic Acid: SAPC	
Total Containers:		Corrected Temperature:	-8.4														
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Chloride (EPA 300)	BTEX (8021 B)	TPH (8015)								Sample Comments
A-01	S	11-9	1030	1.5	G	1	X	X	X								
A-02			1034			1											
A-03			1036			1											
B-01			1040			1											
B-02			1044			1											
B-03			1048			1											
C-01			1050			1											
D-01			1100	1.5'		1											
D-01			1104	5'		1											
D-01			1108	6.5'		1											

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 Tl 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 Tl U	Hg: 1631 / 245.1 / 7470 / 7471

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<i>[Signature]</i>	<i>[Signature]</i>	10/31/10			

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Environment Testing
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Chain of Custody

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Work Order No:

890-5612

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Page 2 of 4

Project Manager:	Joseph Guesnier	Bill to: (if different)	
Company Name:	Terracon	Company Name:	
Address:	4526 W. Pierce St	Address:	
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	Travis Casey @ Terracon.com
Phone:	(806)-300-0140	Email:	Gus Sanchez, Travis Casey, Joseph Guesnier

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADAPT ☐ Other:

Project Name:	Red Bull	Turn Around		ANALYSIS REQUEST										Preservative Codes															
Project Number:	KH237046	☒ Routine ☐ Rush	Pres. Code													None: NO	DI Water: H ₂ O												
Project Location:		Due Date:		Parameters	Chloride (EPA 300)	BTEX (8021 B)	TPH (8015)									Cool: Cool	MeOH: Me												
Sampler's Name:	Gus Sanchez & Travis Casey	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 : NARIS	
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	Chloride (EPA 300)	BTEX (8021 B)	TPH (8015)									
E-01	S	11-9	1112	2.5'	G	1	X	X	X									
E-01			1116	5'		1												
E-01			1129	6.5'		1												
F-01			1124	2.5'		1												
F-01			1126	5'		1												
F-01			1129	6.5'		1												
G-01			1134	2.5'		1												
G-01			1138	5'		1												
G-01			1142	6.5'		1												
H-01			1146	2.5'		1												

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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<i>Travis Casey</i>	<i>Gus Sanchez</i>	10:30 11/10			

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 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:

890-5612

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Page 3 of 4

Project Manager:	Joseph Guesnier	Bill to: (If different)	
Company Name:	Terracon	Company Name:	
Address:	4526 W Pierce St	Address:	
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	Joseph.Guesnier@terracon.com
Phone:	(806)-300-0140	Email:	Gus Sanchez, Travis Casey, Joseph Guesnier

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADaPT ☐ Other:

Project Name:		Red Bull		Turn Around		ANALYSIS REQUEST										Preservative Codes									
Project Number:		KH237046		☒ Routine ☐ Rush		Pres. Code												None: NO DI Water: H ₂ O							
Project Location:				Due Date:														Cool: Cool MeOH: Me							
Sampler's Name:		Gus Sanchez & Travis Casey		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												H ₃ PO ₄ : HP			
Samples Received Intact:		Yes No		Thermometer ID:						Chloride (EPA 300)												NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes No N/A		Correction Factor:						BTEX (8021 B)												Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes No N/A		Temperature Reading:						TPH (8015)												Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:																		NaOH+Ascorbic Acid: SACP			
Sample Identification		Matrix		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont												Sample Comments	
H-01		S		11-9		1149		5'		G		1													
H-01						1154		6.5'				1													
I-01						1159		2.5'				1													
I-01						1204		5'				1													
I-01						1208		6.5'				1													
J-01						1212		2.5'				1													
J-01						1218		5'				1													
J-01						1220		6.5'				1													
K-01						1225		2.5'				1													
K-01						1229		5'				1													

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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<i>[Signature]</i>	<i>[Signature]</i>	10:31 11/10			

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Environment Testing
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Loc: 890
5612

Work Order No: 8

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Project Manager:	Joseph Guesnier	Bill to: (if different)	
Company Name:	Terracon	Company Name:	
Address:	4526 W Pierce St	Address:	
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	
Phone:	(806)-300-0140	Email:	Gus Sanchez & Travis Casey

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADaPT ☐ Other:

Project Name:	Red Bull	Turn Around		ANALYSIS REQUEST																Preservative Codes																	
Project Number:	KH237046	☒ Routine ☐ Rush	Pres. Code																	None: NO	DI Water: H ₂ O																
Project Location:		Due Date:		Parameters	Chloride (EPA 300)	BTEX (8021 B)	TPH (8015)													Cool: Cool	MeOH: Me																
Sampler's Name:	Gus Sanchez & Travis Casey	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	Chloride (EPA 300)	BTEX (8021 B)	TPH (8015)												Sample Comments
K-01	S	11-9	1232	6.5	C7	1	X	X	X												
L-01			1238	2.5		1															
L-01			1244	5'		1															
L-01			1248	6.5		1															
M-01			1252	2.5		1															
M-01			1258	5		1															
M-01			1302	7		1															
N-01			1308	2.5'		1															
N-01			1314	5'		1															
N-01			1318	7'		1															

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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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		10:31 11/10			

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 890-5612-1

SDG Number: KH237046

Login Number: 5612
List Number: 1
Creator: Bruns, Shannon

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: Terracon Consulting Eng & Scientists

Job Number: 890-5612-1

SDG Number: KH237046

Login Number: 5612
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 11/13/23 09:24 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: Travis Casey
Terracon Consulting Eng & Scientists
5847 50th St
Lubbock, Texas 79424
Generated 11/27/2023 4:39:01 PM

JOB DESCRIPTION

Red Bull
KH237046

JOB NUMBER

820-10978-1

Eurofins Lubbock
6701 Aberdeen Ave.
Suite 8
Lubbock TX 79424

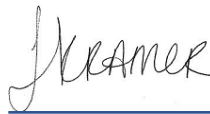
Eurofins Lubbock

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Eurofins Lubbock

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments. QC data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Coliform MCLs

· Based on the EPA primary drinking water standard MCL for total coliforms, a water supply is considered bacteriologically "SAFE" if no coliform bacteria are detected. To be considered "SAFE" your report should indicate "<1 cfu/100mL" or "NEG" for the coliform test. If you report indicates a positive result "POS" or a value greater than or equal to one, then your supply is "UNSAFE FOR DRINKING" contact your local health department.

Warranties, Terms, and Conditions

· Analyses for Field Parameters are performed by Eurofins Philadelphia field staff. Locations and certifications are identified on the Chain of Custody as follows:

ERF = field staff performs tests under NJ State certification # 02015.

VL = field staff performs tests under NJ State certification # 06005.

WG = field staff performs tests under NJ State certification # PA001, PA State certification # 48-01334.

H = field staff performs tests under NJ NELAP certification # PA093, PA NELAP certification # 46-05499.

· Test results meet all TNI or other applicable regulatory agency requirements, including holding times and preservation, unless otherwise indicated.

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· All samples are collected as "grab" samples unless otherwise identified.

· Reported results related only to the samples as tested. Eurofins Philadelphia is not responsible for sample integrity unless sampling has been performed by a member of our staff.

· Eurofins Philadelphia is not responsible for sampling and/or testing omissions. Note that regulatory authorities may assess substantial fines for testing omissions. Please track your sample collection schedules and results on a regular basis (e.g. weekly, monthly, or quarterly) to ensure compliance.

· Eurofins' online data portal "TotalAccess" will provide you with real-time access to collection dates and testing results. Please contact Client Services for further information.

· The following personnel or their deputies have approved the results of the tests performed by Eurofins Philadelphia : Nicki Smith (Environmental Chemistry) and Jacqueline Gartner (Water Microbiology).



Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Laboratory Job ID: 820-10978-1
SDG: KH237046

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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.

GC Semi 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, 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: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Job ID: 820-10978-1

Laboratory: Eurofins Lubbock

Narrative

Job Narrative
820-10978-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 11/16/2023 1:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -13.1°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-67426 and analytical batch 880-67632 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-67425 and 880-67426 and analytical batch 880-67632 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: DS-5 (820-10978-7). 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: Surrogate recovery for the following samples were outside control limits: DS-3 (820-10978-5), DS-5 (820-10978-7), DS-6 (820-10978-8) and DS-7 (820-10978-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: DS-9 (820-10978-11), DS-11 (820-10978-13), DS-12 (820-10978-14) and DS-13 (820-10978-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-67423 and analytical batch 880-67486 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: I-2 (820-10978-1), G-2 (820-10978-2), DS-1 (820-10978-3), DS-2 (820-10978-4), (890-5640-A-25-B), (890-5640-A-25-C MS) and (890-5640-A-25-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-67423 and analytical batch 880-67486 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-67569 and analytical batch 880-67601 was outside the upper control limits.

Case Narrative

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Job ID: 820-10978-1 (Continued)

Laboratory: Eurofins Lubbock (Continued)

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: DS-14 (820-10978-16), DS-15 (820-10978-17), DS-16 (820-10978-18), DS-17 (820-10978-19), DS-18 (820-10978-20), DS-19 (820-10978-21), DS-20 (820-10978-22), DS-21 (820-10978-23), (820-10978-A-16-E MS) and (820-10978-A-16-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-67569 and analytical batch 880-67601 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.

HPLC/IC

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

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: I-2

Lab Sample ID: 820-10978-1

Date Collected: 11/15/23 10:45

Matrix: Solid

Date Received: 11/16/23 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1	0.00198		mg/Kg		11/20/23 12:52	11/23/23 06:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:52	11/23/23 06:17	1
Ethylbenzene	<0.00198	U F1	0.00198		mg/Kg		11/20/23 12:52	11/23/23 06:17	1
m-Xylene & p-Xylene	<0.00396	U F1	0.00396		mg/Kg		11/20/23 12:52	11/23/23 06:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:52	11/23/23 06:17	1
Xylenes, Total	<0.00396	U F1	0.00396		mg/Kg		11/20/23 12:52	11/23/23 06:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	11/20/23 12:52	11/23/23 06:17	1
1,4-Difluorobenzene (Surr)	91		70 - 130	11/20/23 12:52	11/23/23 06:17	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			11/23/23 06:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/22/23 02:15	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	<50.1	U	50.1		mg/Kg		11/20/23 12:22	11/22/23 02:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/20/23 12:22	11/22/23 02:15	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/20/23 12:22	11/22/23 02:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	166	S1+	70 - 130	11/20/23 12:22	11/22/23 02:15	1
o-Terphenyl	147	S1+	70 - 130	11/20/23 12:22	11/22/23 02:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.7		5.02		mg/Kg			11/21/23 08:49	1

Client Sample ID: G-2

Lab Sample ID: 820-10978-2

Date Collected: 11/15/23 10:58

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 06:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 06:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 06:43	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 12:52	11/23/23 06:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 06:43	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 12:52	11/23/23 06:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	11/20/23 12:52	11/23/23 06:43	1
1,4-Difluorobenzene (Surr)	79		70 - 130	11/20/23 12:52	11/23/23 06:43	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: G-2

Lab Sample ID: 820-10978-2

Date Collected: 11/15/23 10:58

Matrix: Solid

Date Received: 11/16/23 13:15

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			11/23/23 06:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/22/23 02:39	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	<50.4	U	50.4		mg/Kg		11/20/23 12:22	11/22/23 02:39	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/20/23 12:22	11/22/23 02:39	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/20/23 12:22	11/22/23 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				11/20/23 12:22	11/22/23 02:39	1
o-Terphenyl	122		70 - 130				11/20/23 12:22	11/22/23 02:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.7		4.97		mg/Kg			11/21/23 09:08	1

Client Sample ID: DS-1

Lab Sample ID: 820-10978-3

Date Collected: 11/15/23 11:02

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 07:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 07:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 07:10	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 12:52	11/23/23 07:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 07:10	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 12:52	11/23/23 07:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				11/20/23 12:52	11/23/23 07:10	1
1,4-Difluorobenzene (Surr)	91		70 - 130				11/20/23 12:52	11/23/23 07:10	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			11/23/23 07:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/22/23 03:02	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	<50.5	U	50.5		mg/Kg		11/20/23 12:22	11/22/23 03:02	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 12:22	11/22/23 03:02	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-1

Lab Sample ID: 820-10978-3

Date Collected: 11/15/23 11:02

Matrix: Solid

Date Received: 11/16/23 13:15

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)	<50.5	U	50.5		mg/Kg		11/20/23 12:22	11/22/23 03:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	178	S1+	70 - 130				11/20/23 12:22	11/22/23 03:02	1
o-Terphenyl	155	S1+	70 - 130				11/20/23 12:22	11/22/23 03:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	513		5.03		mg/Kg			11/21/23 09:15	1

Client Sample ID: DS-2

Lab Sample ID: 820-10978-4

Date Collected: 11/15/23 11:07

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 07:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:52	11/23/23 07:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:52	11/23/23 07:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/20/23 12:52	11/23/23 07:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:52	11/23/23 07:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/23 12:52	11/23/23 07:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				11/20/23 12:52	11/23/23 07:36	1
1,4-Difluorobenzene (Surr)	94		70 - 130				11/20/23 12:52	11/23/23 07:36	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			11/23/23 07:36	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	U	50.2		mg/Kg			11/22/23 03:25	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	<50.2	U	50.2		mg/Kg		11/20/23 12:22	11/22/23 03:25	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		11/20/23 12:22	11/22/23 03:25	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/20/23 12:22	11/22/23 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	159	S1+	70 - 130				11/20/23 12:22	11/22/23 03:25	1
o-Terphenyl	143	S1+	70 - 130				11/20/23 12:22	11/22/23 03:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	641		4.98		mg/Kg			11/21/23 09:21	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-3

Lab Sample ID: 820-10978-5

Date Collected: 11/15/23 11:12

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 08:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:52	11/23/23 08:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:52	11/23/23 08:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 12:52	11/23/23 08:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:52	11/23/23 08:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 12:52	11/23/23 08:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				11/20/23 12:52	11/23/23 08:03	1
1,4-Difluorobenzene (Surr)	71		70 - 130				11/20/23 12:52	11/23/23 08:03	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			11/23/23 08:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/21/23 10:54	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	<50.1	U	50.1		mg/Kg		11/20/23 12:26	11/21/23 10:54	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/20/23 12:26	11/21/23 10:54	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/20/23 12:26	11/21/23 10:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				11/20/23 12:26	11/21/23 10:54	1
o-Terphenyl	140	S1+	70 - 130				11/20/23 12:26	11/21/23 10:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	213		5.03		mg/Kg			11/21/23 09:28	1

Client Sample ID: DS-4

Lab Sample ID: 820-10978-6

Date Collected: 11/15/23 11:16

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 08:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:52	11/23/23 08:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:52	11/23/23 08:29	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 12:52	11/23/23 08:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:52	11/23/23 08:29	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 12:52	11/23/23 08:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				11/20/23 12:52	11/23/23 08:29	1
1,4-Difluorobenzene (Surr)	79		70 - 130				11/20/23 12:52	11/23/23 08:29	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-4

Lab Sample ID: 820-10978-6

Date Collected: 11/15/23 11:16

Matrix: Solid

Date Received: 11/16/23 13:15

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			11/23/23 08:29	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	U	50.2		mg/Kg			11/21/23 12:00	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	<50.2	U	50.2		mg/Kg		11/20/23 12:26	11/21/23 12:00	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		11/20/23 12:26	11/21/23 12:00	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/20/23 12:26	11/21/23 12:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				11/20/23 12:26	11/21/23 12:00	1
o-Terphenyl	124		70 - 130				11/20/23 12:26	11/21/23 12:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	197		5.03		mg/Kg			11/21/23 09:48	1

Client Sample ID: DS-5

Lab Sample ID: 820-10978-7

Date Collected: 11/15/23 11:21

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 08:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:52	11/23/23 08:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:52	11/23/23 08:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 12:52	11/23/23 08:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:52	11/23/23 08:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 12:52	11/23/23 08:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				11/20/23 12:52	11/23/23 08:55	1
1,4-Difluorobenzene (Surr)	151	S1+	70 - 130				11/20/23 12:52	11/23/23 08:55	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			11/23/23 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/21/23 12:22	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	<50.4	U	50.4		mg/Kg		11/20/23 12:26	11/21/23 12:22	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/20/23 12:26	11/21/23 12:22	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-5

Lab Sample ID: 820-10978-7

Date Collected: 11/15/23 11:21

Matrix: Solid

Date Received: 11/16/23 13:15

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)	<50.4	U	50.4		mg/Kg		11/20/23 12:26	11/21/23 12:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				11/20/23 12:26	11/21/23 12:22	1
o-Terphenyl	152	S1+	70 - 130				11/20/23 12:26	11/21/23 12:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		24.9		mg/Kg			11/21/23 09:54	5

Client Sample ID: DS-6

Lab Sample ID: 820-10978-8

Date Collected: 11/15/23 11:24

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 09:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 09:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 09:22	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/23 12:52	11/23/23 09:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 09:22	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/23 12:52	11/23/23 09:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				11/20/23 12:52	11/23/23 09:22	1
1,4-Difluorobenzene (Surr)	74		70 - 130				11/20/23 12:52	11/23/23 09:22	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			11/23/23 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/21/23 12:43	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	<49.7	U	49.7		mg/Kg		11/20/23 12:26	11/21/23 12:43	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 12:26	11/21/23 12:43	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 12:26	11/21/23 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				11/20/23 12:26	11/21/23 12:43	1
o-Terphenyl	138	S1+	70 - 130				11/20/23 12:26	11/21/23 12:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		4.97		mg/Kg			11/21/23 10:01	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-7

Lab Sample ID: 820-10978-9

Date Collected: 11/15/23 11:29

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 09:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:52	11/23/23 09:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:52	11/23/23 09:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/20/23 12:52	11/23/23 09:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:52	11/23/23 09:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/23 12:52	11/23/23 09:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				11/20/23 12:52	11/23/23 09:48	1
1,4-Difluorobenzene (Surr)	100		70 - 130				11/20/23 12:52	11/23/23 09:48	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			11/23/23 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/21/23 13:30	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	<49.7	U	49.7		mg/Kg		11/20/23 12:26	11/21/23 13:30	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 12:26	11/21/23 13:30	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 12:26	11/21/23 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				11/20/23 12:26	11/21/23 13:30	1
o-Terphenyl	160	S1+	70 - 130				11/20/23 12:26	11/21/23 13:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		5.02		mg/Kg			11/21/23 10:07	1

Client Sample ID: DS-8

Lab Sample ID: 820-10978-10

Date Collected: 11/15/23 11:32

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 10:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:52	11/23/23 10:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:52	11/23/23 10:15	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/20/23 12:52	11/23/23 10:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:52	11/23/23 10:15	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/20/23 12:52	11/23/23 10:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130				11/20/23 12:52	11/23/23 10:15	1
1,4-Difluorobenzene (Surr)	93		70 - 130				11/20/23 12:52	11/23/23 10:15	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-8

Lab Sample ID: 820-10978-10

Date Collected: 11/15/23 11:32

Matrix: Solid

Date Received: 11/16/23 13:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/23/23 10:15	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			11/21/23 13:52	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		11/20/23 12:26	11/21/23 13:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 12:26	11/21/23 13:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 12:26	11/21/23 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				11/20/23 12:26	11/21/23 13:52	1
o-Terphenyl	118		70 - 130				11/20/23 12:26	11/21/23 13:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.1		5.04		mg/Kg			11/21/23 10:14	1

Client Sample ID: DS-9

Lab Sample ID: 820-10978-11

Date Collected: 11/15/23 11:36

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 12:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:52	11/23/23 12:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:52	11/23/23 12:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 12:52	11/23/23 12:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:52	11/23/23 12:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 12:52	11/23/23 12:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				11/20/23 12:52	11/23/23 12:00	1
1,4-Difluorobenzene (Surr)	83		70 - 130				11/20/23 12:52	11/23/23 12:00	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			11/23/23 12:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.2		50.0		mg/Kg			11/21/23 17:55	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		11/20/23 12:26	11/21/23 17:55	1
Diesel Range Organics (Over C10-C28)	56.2		50.0		mg/Kg		11/20/23 12:26	11/21/23 17:55	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-9

Lab Sample ID: 820-10978-11

Date Collected: 11/15/23 11:36

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:26	11/21/23 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				11/20/23 12:26	11/21/23 17:55	1
o-Terphenyl	145	S1+	70 - 130				11/20/23 12:26	11/21/23 17:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.4		5.04		mg/Kg			11/21/23 10:20	1

Client Sample ID: DS-10

Lab Sample ID: 820-10978-12

Date Collected: 11/15/23 11:40

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 12:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:52	11/23/23 12:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:52	11/23/23 12:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 12:52	11/23/23 12:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:52	11/23/23 12:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 12:52	11/23/23 12:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				11/20/23 12:52	11/23/23 12:27	1
1,4-Difluorobenzene (Surr)	74		70 - 130				11/20/23 12:52	11/23/23 12:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/23/23 12:27	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	U	50.1		mg/Kg			11/21/23 18:17	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	<50.1	U	50.1		mg/Kg		11/20/23 12:26	11/21/23 18:17	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/20/23 12:26	11/21/23 18:17	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/20/23 12:26	11/21/23 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				11/20/23 12:26	11/21/23 18:17	1
o-Terphenyl	125		70 - 130				11/20/23 12:26	11/21/23 18:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		4.99		mg/Kg			11/21/23 10:40	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-11

Lab Sample ID: 820-10978-13

Date Collected: 11/15/23 11:43

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 12:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:52	11/23/23 12:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:52	11/23/23 12:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/20/23 12:52	11/23/23 12:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:52	11/23/23 12:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/23 12:52	11/23/23 12:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				11/20/23 12:52	11/23/23 12:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130				11/20/23 12:52	11/23/23 12:53	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			11/23/23 12:53	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	U	50.1		mg/Kg			11/21/23 18:39	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	<50.1	U	50.1		mg/Kg		11/20/23 12:26	11/21/23 18:39	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/20/23 12:26	11/21/23 18:39	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/20/23 12:26	11/21/23 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				11/20/23 12:26	11/21/23 18:39	1
o-Terphenyl	140	S1+	70 - 130				11/20/23 12:26	11/21/23 18:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			11/21/23 10:47	1

Client Sample ID: DS-12

Lab Sample ID: 820-10978-14

Date Collected: 11/15/23 11:46

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 13:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:52	11/23/23 13:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:52	11/23/23 13:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 12:52	11/23/23 13:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:52	11/23/23 13:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 12:52	11/23/23 13:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				11/20/23 12:52	11/23/23 13:20	1
1,4-Difluorobenzene (Surr)	98		70 - 130				11/20/23 12:52	11/23/23 13:20	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-12

Lab Sample ID: 820-10978-14

Date Collected: 11/15/23 11:46

Matrix: Solid

Date Received: 11/16/23 13:15

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			11/23/23 13:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/21/23 19:01	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	<50.3	U	50.3		mg/Kg		11/20/23 12:26	11/21/23 19:01	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/20/23 12:26	11/21/23 19:01	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/20/23 12:26	11/21/23 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				11/20/23 12:26	11/21/23 19:01	1
o-Terphenyl	142	S1+	70 - 130				11/20/23 12:26	11/21/23 19:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.32		5.05		mg/Kg			11/21/23 11:06	1

Client Sample ID: DS-13

Lab Sample ID: 820-10978-15

Date Collected: 11/15/23 11:49

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 13:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:52	11/23/23 13:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:52	11/23/23 13:46	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 12:52	11/23/23 13:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:52	11/23/23 13:46	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 12:52	11/23/23 13:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				11/20/23 12:52	11/23/23 13:46	1
1,4-Difluorobenzene (Surr)	94		70 - 130				11/20/23 12:52	11/23/23 13:46	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			11/23/23 13:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/21/23 19:23	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	<50.4	U	50.4		mg/Kg		11/20/23 12:26	11/21/23 19:23	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/20/23 12:26	11/21/23 19:23	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-13
Date Collected: 11/15/23 11:49
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-15
Matrix: Solid

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)	<50.4	U	50.4		mg/Kg		11/20/23 12:26	11/21/23 19:23	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	141	S1+	70 - 130				11/20/23 12:26	11/21/23 19:23	1	
o-Terphenyl	143	S1+	70 - 130				11/20/23 12:26	11/21/23 19:23	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.02	U	5.02		mg/Kg			11/21/23 11:13	1	

Client Sample ID: DS-14
Date Collected: 11/15/23 11:52
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-16
Matrix: Solid

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		11/20/23 12:52	11/23/23 14:12	1	
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:52	11/23/23 14:12	1	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:52	11/23/23 14:12	1	
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/20/23 12:52	11/23/23 14:12	1	
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:52	11/23/23 14:12	1	
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/20/23 12:52	11/23/23 14:12	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	113		70 - 130				11/20/23 12:52	11/23/23 14:12	1	
1,4-Difluorobenzene (Surr)	86		70 - 130				11/20/23 12:52	11/23/23 14:12	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/23/23 14:12	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	U	50.1		mg/Kg			11/22/23 10:56	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	<50.1	U F2	50.1		mg/Kg		11/21/23 14:44	11/22/23 10:56	1	
Diesel Range Organics (Over C10-C28)	<50.1	U F1	50.1		mg/Kg		11/21/23 14:44	11/22/23 10:56	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/21/23 14:44	11/22/23 10:56	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	185	S1+	70 - 130				11/21/23 14:44	11/22/23 10:56	1	
o-Terphenyl	160	S1+	70 - 130				11/21/23 14:44	11/22/23 10:56	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	121		5.01		mg/Kg			11/21/23 11:20	1	

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-15

Lab Sample ID: 820-10978-17

Date Collected: 11/15/23 11:54

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 14:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 14:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 14:39	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 12:52	11/23/23 14:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 14:39	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 12:52	11/23/23 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	11/20/23 12:52	11/23/23 14:39	1
1,4-Difluorobenzene (Surr)	102		70 - 130	11/20/23 12:52	11/23/23 14:39	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			11/23/23 14:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/22/23 12:02	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	<50.3	U	50.3		mg/Kg		11/21/23 14:44	11/22/23 12:02	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/21/23 14:44	11/22/23 12:02	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/21/23 14:44	11/22/23 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	159	S1+	70 - 130	11/21/23 14:44	11/22/23 12:02	1
o-Terphenyl	140	S1+	70 - 130	11/21/23 14:44	11/22/23 12:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.31		4.99		mg/Kg			11/21/23 11:26	1

Client Sample ID: DS-16

Lab Sample ID: 820-10978-18

Date Collected: 11/15/23 11:57

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 15:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 15:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 15:05	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/23 12:52	11/23/23 15:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 15:05	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/23 12:52	11/23/23 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	11/20/23 12:52	11/23/23 15:05	1
1,4-Difluorobenzene (Surr)	98		70 - 130	11/20/23 12:52	11/23/23 15:05	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-16

Lab Sample ID: 820-10978-18

Date Collected: 11/15/23 11:57

Matrix: Solid

Date Received: 11/16/23 13:15

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			11/23/23 15:05	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	U	50.1		mg/Kg			11/22/23 12:25	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	<50.1	U	50.1		mg/Kg		11/21/23 14:44	11/22/23 12:25	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/21/23 14:44	11/22/23 12:25	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/21/23 14:44	11/22/23 12:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	164	S1+	70 - 130				11/21/23 14:44	11/22/23 12:25	1
o-Terphenyl	143	S1+	70 - 130				11/21/23 14:44	11/22/23 12:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.3		5.00		mg/Kg			11/21/23 11:33	1

Client Sample ID: DS-17

Lab Sample ID: 820-10978-19

Date Collected: 11/15/23 11:59

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 15:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:52	11/23/23 15:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:52	11/23/23 15:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 12:52	11/23/23 15:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:52	11/23/23 15:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 12:52	11/23/23 15:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				11/20/23 12:52	11/23/23 15:31	1
1,4-Difluorobenzene (Surr)	91		70 - 130				11/20/23 12:52	11/23/23 15:31	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			11/23/23 15:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/22/23 12:47	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	<50.4	U	50.4		mg/Kg		11/21/23 14:44	11/22/23 12:47	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/21/23 14:44	11/22/23 12:47	1

Eurofins Lubbock

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-17

Lab Sample ID: 820-10978-19

Date Collected: 11/15/23 11:59

Matrix: Solid

Date Received: 11/16/23 13:15

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)	<50.4	U	50.4		mg/Kg		11/21/23 14:44	11/22/23 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	169	S1+	70 - 130				11/21/23 14:44	11/22/23 12:47	1
o-Terphenyl	147	S1+	70 - 130				11/21/23 14:44	11/22/23 12:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.6		5.03		mg/Kg			11/21/23 11:39	1

Client Sample ID: DS-18

Lab Sample ID: 820-10978-20

Date Collected: 11/15/23 12:02

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/20/23 12:52	11/23/23 15:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 15:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 15:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 12:52	11/23/23 15:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:52	11/23/23 15:58	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 12:52	11/23/23 15:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				11/20/23 12:52	11/23/23 15:58	1
1,4-Difluorobenzene (Surr)	83		70 - 130				11/20/23 12:52	11/23/23 15:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/23/23 15:58	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	U	50.2		mg/Kg			11/22/23 13:09	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	<50.2	U	50.2		mg/Kg		11/21/23 14:44	11/22/23 13:09	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		11/21/23 14:44	11/22/23 13:09	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/21/23 14:44	11/22/23 13:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				11/21/23 14:44	11/22/23 13:09	1
o-Terphenyl	129		70 - 130				11/21/23 14:44	11/22/23 13:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.8		5.05		mg/Kg			11/21/23 11:46	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-19

Lab Sample ID: 820-10978-21

Date Collected: 11/15/23 12:05

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/17/23 15:41	11/23/23 09:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/17/23 15:41	11/23/23 09:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/17/23 15:41	11/23/23 09:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/17/23 15:41	11/23/23 09:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/17/23 15:41	11/23/23 09:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/17/23 15:41	11/23/23 09:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	11/17/23 15:41	11/23/23 09:28	1
1,4-Difluorobenzene (Surr)	70		70 - 130	11/17/23 15:41	11/23/23 09:28	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			11/23/23 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/22/23 13:32	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	<50.4	U	50.4		mg/Kg		11/21/23 14:44	11/22/23 13:32	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/21/23 14:44	11/22/23 13:32	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/21/23 14:44	11/22/23 13:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130	11/21/23 14:44	11/22/23 13:32	1
o-Terphenyl	136	S1+	70 - 130	11/21/23 14:44	11/22/23 13:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.4		4.95		mg/Kg			11/22/23 05:19	1

Client Sample ID: DS-20

Lab Sample ID: 820-10978-22

Date Collected: 11/15/23 12:07

Matrix: Solid

Date Received: 11/16/23 13:15

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		11/17/23 15:41	11/23/23 09:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/17/23 15:41	11/23/23 09:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/17/23 15:41	11/23/23 09:49	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/17/23 15:41	11/23/23 09:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/17/23 15:41	11/23/23 09:49	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/17/23 15:41	11/23/23 09:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	11/17/23 15:41	11/23/23 09:49	1
1,4-Difluorobenzene (Surr)	76		70 - 130	11/17/23 15:41	11/23/23 09:49	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-20
Date Collected: 11/15/23 12:07
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-22
Matrix: Solid

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			11/23/23 09:49	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.5	U	50.5		mg/Kg			11/22/23 13:54	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	<50.5	U	50.5		mg/Kg		11/21/23 14:44	11/22/23 13:54	1	
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/21/23 14:44	11/22/23 13:54	1	
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/21/23 14:44	11/22/23 13:54	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	161	S1+	70 - 130				11/21/23 14:44	11/22/23 13:54	1	
o-Terphenyl	138	S1+	70 - 130				11/21/23 14:44	11/22/23 13:54	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	9.51		4.98		mg/Kg			11/22/23 05:36	1	

Client Sample ID: DS-21
Date Collected: 11/15/23 12:10
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-23
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		11/17/23 15:41	11/23/23 10:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/17/23 15:41	11/23/23 10:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/17/23 15:41	11/23/23 10:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/17/23 15:41	11/23/23 10:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/17/23 15:41	11/23/23 10:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/17/23 15:41	11/23/23 10:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				11/17/23 15:41	11/23/23 10:09	1
1,4-Difluorobenzene (Surr)	94		70 - 130				11/17/23 15:41	11/23/23 10:09	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			11/23/23 10:09	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			11/22/23 14:16	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		11/21/23 14:44	11/22/23 14:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/21/23 14:44	11/22/23 14:16	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-21
Date Collected: 11/15/23 12:10
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-23
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)	<50.0	U	50.0		mg/Kg		11/21/23 14:44	11/22/23 14:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	169	S1+	70 - 130				11/21/23 14:44	11/22/23 14:16	1
o-Terphenyl	149	S1+	70 - 130				11/21/23 14:44	11/22/23 14:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	166		4.97		mg/Kg			11/22/23 05:42	1

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

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)
820-10978-1	I-2	99	91
820-10978-1 MS	I-2	86	93
820-10978-1 MSD	I-2	107	86
820-10978-2	G-2	84	79
820-10978-3	DS-1	93	91
820-10978-4	DS-2	90	94
820-10978-5	DS-3	76	71
820-10978-6	DS-4	86	79
820-10978-7	DS-5	117	151 S1+
820-10978-8	DS-6	94	74
820-10978-9	DS-7	90	100
820-10978-10	DS-8	72	93
820-10978-11	DS-9	85	83
820-10978-12	DS-10	76	74
820-10978-13	DS-11	90	102
820-10978-14	DS-12	88	98
820-10978-15	DS-13	117	94
820-10978-16	DS-14	113	86
820-10978-17	DS-15	107	102
820-10978-18	DS-16	112	98
820-10978-19	DS-17	113	91
820-10978-20	DS-18	111	83
820-10978-21	DS-19	93	70
820-10978-22	DS-20	94	76
820-10978-23	DS-21	126	94
LCS 880-67330/1-A	Lab Control Sample	127	101
LCS 880-67426/1-A	Lab Control Sample	104	107
LCSD 880-67330/2-A	Lab Control Sample Dup	118	87
LCSD 880-67426/2-A	Lab Control Sample Dup	103	100
MB 880-67330/5-A	Method Blank	70	87
MB 880-67425/5-A	Method Blank	53 S1-	90
MB 880-67426/5-A	Method Blank	60 S1-	117
MB 880-67568/5-A	Method Blank	71	88
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	OTPH1
		(70-130)	(70-130)
820-10978-1	I-2	166 S1+	147 S1+
820-10978-2	G-2	140 S1+	122
820-10978-3	DS-1	178 S1+	155 S1+
820-10978-4	DS-2	159 S1+	143 S1+
820-10978-5	DS-3	132 S1+	140 S1+
820-10978-5 MS	DS-3	127	122

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Surrogate Summary

Client: Terracon Consulting Eng & Scientists

Job ID: 820-10978-1

Project/Site: Red Bull

SDG: KH237046

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)
820-10978-5 MSD	DS-3	130	125
820-10978-6	DS-4	119	124
820-10978-7	DS-5	144 S1+	152 S1+
820-10978-8	DS-6	132 S1+	138 S1+
820-10978-9	DS-7	155 S1+	160 S1+
820-10978-10	DS-8	113	118
820-10978-11	DS-9	141 S1+	145 S1+
820-10978-12	DS-10	122	125
820-10978-13	DS-11	137 S1+	140 S1+
820-10978-14	DS-12	136 S1+	142 S1+
820-10978-15	DS-13	141 S1+	143 S1+
820-10978-16	DS-14	185 S1+	160 S1+
820-10978-16 MS	DS-14	146 S1+	113
820-10978-16 MSD	DS-14	133 S1+	102
820-10978-17	DS-15	159 S1+	140 S1+
820-10978-18	DS-16	164 S1+	143 S1+
820-10978-19	DS-17	169 S1+	147 S1+
820-10978-20	DS-18	150 S1+	129
820-10978-21	DS-19	157 S1+	136 S1+
820-10978-22	DS-20	161 S1+	138 S1+
820-10978-23	DS-21	169 S1+	149 S1+
LCS 880-67423/2-A	Lab Control Sample	82	88
LCS 880-67424/2-A	Lab Control Sample	101	115
LCS 880-67569/2-A	Lab Control Sample	88	94
LCSD 880-67423/3-A	Lab Control Sample Dup	98	103
LCSD 880-67424/3-A	Lab Control Sample Dup	92	102
LCSD 880-67569/3-A	Lab Control Sample Dup	104	108
MB 880-67423/1-A	Method Blank	131 S1+	118
MB 880-67424/1-A	Method Blank	98	110
MB 880-67569/1-A	Method Blank	154 S1+	141 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-67330/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 67637							Prep Batch: 67330		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/17/23 15:41	11/23/23 02:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/17/23 15:41	11/23/23 02:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/17/23 15:41	11/23/23 02:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/17/23 15:41	11/23/23 02:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/17/23 15:41	11/23/23 02:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/17/23 15:41	11/23/23 02:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130				11/17/23 15:41	11/23/23 02:15	1
1,4-Difluorobenzene (Surr)	87		70 - 130				11/17/23 15:41	11/23/23 02:15	1

Lab Sample ID: LCS 880-67330/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 67637							Prep Batch: 67330		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.07494		mg/Kg		75	70 - 130	
Toluene		0.100	0.07580		mg/Kg		76	70 - 130	
Ethylbenzene		0.100	0.09454		mg/Kg		95	70 - 130	
m-Xylene & p-Xylene		0.200	0.1869		mg/Kg		93	70 - 130	
o-Xylene		0.100	0.09147		mg/Kg		91	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	127		70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: LCSD 880-67330/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 67637							Prep Batch: 67330			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.07248		mg/Kg		72	70 - 130	3	35
Toluene		0.100	0.07760		mg/Kg		78	70 - 130	2	35
Ethylbenzene		0.100	0.09465		mg/Kg		95	70 - 130	0	35
m-Xylene & p-Xylene		0.200	0.1844		mg/Kg		92	70 - 130	1	35
o-Xylene		0.100	0.09059		mg/Kg		91	70 - 130	1	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	118		70 - 130							
1,4-Difluorobenzene (Surr)	87		70 - 130							

Lab Sample ID: MB 880-67425/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 67632							Prep Batch: 67425		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 16:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 16:14	1

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QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

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

Lab Sample ID: MB 880-67425/5-A

Matrix: Solid

Analysis Batch: 67632

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67425

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 16:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 12:39	11/22/23 16:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 16:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 12:39	11/22/23 16:14	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	53	S1-	70 - 130				11/20/23 12:39	11/22/23 16:14	1
1,4-Difluorobenzene (Surr)	90		70 - 130				11/20/23 12:39	11/22/23 16:14	1

Lab Sample ID: MB 880-67426/5-A

Matrix: Solid

Analysis Batch: 67632

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67426

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:52	11/23/23 05:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:52	11/23/23 05:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:52	11/23/23 05:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 12:52	11/23/23 05:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:52	11/23/23 05:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 12:52	11/23/23 05:50	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	60	S1-	70 - 130				11/20/23 12:52	11/23/23 05:50	1
1,4-Difluorobenzene (Surr)	117		70 - 130				11/20/23 12:52	11/23/23 05:50	1

Lab Sample ID: LCS 880-67426/1-A

Matrix: Solid

Analysis Batch: 67632

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67426

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.07838		mg/Kg		78	70 - 130		
Toluene	0.100	0.08515		mg/Kg		85	70 - 130		
Ethylbenzene	0.100	0.08275		mg/Kg		83	70 - 130		
m-Xylene & p-Xylene	0.200	0.1634		mg/Kg		82	70 - 130		
o-Xylene	0.100	0.08109		mg/Kg		81	70 - 130		
Surrogate	LCS	LCS	Limits						
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	107		70 - 130						

Lab Sample ID: LCSD 880-67426/2-A

Matrix: Solid

Analysis Batch: 67632

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67426

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08287		mg/Kg		83	70 - 130	6	35
Toluene	0.100	0.07819		mg/Kg		78	70 - 130	9	35
Ethylbenzene	0.100	0.07262		mg/Kg		73	70 - 130	13	35

Eurofins Lubbock

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

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

Lab Sample ID: LCSD 880-67426/2-A

Matrix: Solid

Analysis Batch: 67632

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67426

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD
							Limits	RPD	Limit
m-Xylene & p-Xylene	0.200	0.1394		mg/Kg		70	70 - 130	16	35
o-Xylene	0.100	0.07193		mg/Kg		72	70 - 130	12	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 820-10978-1 MS

Matrix: Solid

Analysis Batch: 67632

Client Sample ID: I-2

Prep Type: Total/NA

Prep Batch: 67426

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00198	U F1	0.0996	0.06192	F1	mg/Kg		62	70 - 130	
Toluene	<0.00198	U	0.0996	0.07071		mg/Kg		71	70 - 130	
Ethylbenzene	<0.00198	U F1	0.0996	0.06863	F1	mg/Kg		69	70 - 130	
m-Xylene & p-Xylene	<0.00396	U F1	0.199	0.1314	F1	mg/Kg		66	70 - 130	
o-Xylene	<0.00198	U	0.0996	0.07050		mg/Kg		71	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 820-10978-1 MSD

Matrix: Solid

Analysis Batch: 67632

Client Sample ID: I-2

Prep Type: Total/NA

Prep Batch: 67426

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD
									Limits	RPD	Limit
Benzene	<0.00198	U F1	0.0992	0.06998		mg/Kg		71	70 - 130	12	35
Toluene	<0.00198	U	0.0992	0.07697		mg/Kg		78	70 - 130	8	35
Ethylbenzene	<0.00198	U F1	0.0992	0.07655		mg/Kg		77	70 - 130	11	35
m-Xylene & p-Xylene	<0.00396	U F1	0.198	0.1494		mg/Kg		75	70 - 130	13	35
o-Xylene	<0.00198	U	0.0992	0.08055		mg/Kg		81	70 - 130	13	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: MB 880-67568/5-A

Matrix: Solid

Analysis Batch: 67637

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67568

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		11/21/23 14:33	11/22/23 15:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/21/23 14:33	11/22/23 15:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/21/23 14:33	11/22/23 15:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/21/23 14:33	11/22/23 15:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/21/23 14:33	11/22/23 15:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/21/23 14:33	11/22/23 15:38	1

Eurofins Lubbock

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	11/21/23 14:33	11/22/23 15:38	1
1,4-Difluorobenzene (Surr)	88		70 - 130	11/21/23 14:33	11/22/23 15:38	1

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

Lab Sample ID: MB 880-67423/1-A

Matrix: Solid

Analysis Batch: 67486

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67423

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		11/20/23 12:22	11/21/23 20:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 12:22	11/21/23 20:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 12:22	11/21/23 20:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	11/20/23 12:22	11/21/23 20:08	1
o-Terphenyl	118		70 - 130	11/20/23 12:22	11/21/23 20:08	1

Lab Sample ID: LCS 880-67423/2-A

Matrix: Solid

Analysis Batch: 67486

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	992.9		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	934.2		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: LCSD 880-67423/3-A

Matrix: Solid

Analysis Batch: 67486

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67423

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1022		mg/Kg		102	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1021		mg/Kg		102	70 - 130	9	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	103		70 - 130

Eurofins Lubbock

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

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

Lab Sample ID: MB 880-67424/1-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 67488							Prep Batch: 67424		
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		11/20/23 12:26	11/21/23 08:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 12:26	11/21/23 08:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 12:26	11/21/23 08:21	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/20/23 12:26	11/21/23 08:21	1
o-Terphenyl	110		70 - 130				11/20/23 12:26	11/21/23 08:21	1

Lab Sample ID: LCS 880-67424/2-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 67488							Prep Batch: 67424		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10		1000	1051		mg/Kg		105	70 - 130	
Diesel Range Organics (Over C10-C28)		1000	950.3		mg/Kg		95	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	101		70 - 130						
o-Terphenyl	115		70 - 130						

Lab Sample ID: LCSD 880-67424/3-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 67488							Prep Batch: 67424			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10		1000	1059		mg/Kg		106	70 - 130	1	20
Diesel Range Organics (Over C10-C28)		1000	935.1		mg/Kg		94	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
1-Chlorooctane	92		70 - 130							
o-Terphenyl	102		70 - 130							

Lab Sample ID: 820-10978-5 MS							Client Sample ID: DS-3		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 67488							Prep Batch: 67424		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1244		mg/Kg		122	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	891.4		mg/Kg		86	70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

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

Lab Sample ID: 820-10978-5 MS
Matrix: Solid
Analysis Batch: 67488

Client Sample ID: DS-3
Prep Type: Total/NA
Prep Batch: 67424

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: 820-10978-5 MSD
Matrix: Solid
Analysis Batch: 67488

Client Sample ID: DS-3
Prep Type: Total/NA
Prep Batch: 67424

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	<50.1	U	1010	1296		mg/Kg		127	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	927.7		mg/Kg		89	70 - 130	4	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	130		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: MB 880-67569/1-A
Matrix: Solid
Analysis Batch: 67601

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67569

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		11/21/23 14:44	11/22/23 08:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/21/23 14:44	11/22/23 08:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/21/23 14:44	11/22/23 08:19	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	154	S1+	70 - 130	11/21/23 14:44	11/22/23 08:19	1			
o-Terphenyl	141	S1+	70 - 130	11/21/23 14:44	11/22/23 08:19	1			

Lab Sample ID: LCS 880-67569/2-A
Matrix: Solid
Analysis Batch: 67601

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67569

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1035		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	1000	995.3		mg/Kg		100	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	94		70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

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

Lab Sample ID: LCSD 880-67569/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 67601				Prep Batch: 67569							
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1049		mg/Kg		105	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1074		mg/Kg		107	70 - 130	8	20
LCSD LCSD											
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	108		70 - 130								

Lab Sample ID: 820-10978-16 MS				Client Sample ID: DS-14							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 67601				Prep Batch: 67569							
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F2	993	1110		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.1	U F1	993	1339	F1	mg/Kg		132	70 - 130		
MS MS											
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	146	S1+	70 - 130								
o-Terphenyl	113		70 - 130								

Lab Sample ID: 820-10978-16 MSD				Client Sample ID: DS-14							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 67601				Prep Batch: 67569							
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	<50.1	U F2	993	864.6	F2	mg/Kg		83	70 - 130	25	20
Diesel Range Organics (Over C10-C28)	<50.1	U F1	993	1200		mg/Kg		118	70 - 130	11	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	133	S1+	70 - 130								
o-Terphenyl	102		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-67270/1-A				Client Sample ID: Method Blank							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 67595											
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00		mg/Kg			11/21/23 08:29	1		

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-67270/2-A

Matrix: Solid

Analysis Batch: 67595

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.5		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-67270/3-A

Matrix: Solid

Analysis Batch: 67595

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	259.9		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 820-10978-1 MS

Matrix: Solid

Analysis Batch: 67595

Client Sample ID: I-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	33.7		251	286.2		mg/Kg		101	90 - 110

Lab Sample ID: 820-10978-1 MSD

Matrix: Solid

Analysis Batch: 67595

Client Sample ID: I-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	33.7		251	285.1		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 820-10978-11 MS

Matrix: Solid

Analysis Batch: 67595

Client Sample ID: DS-9

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.4		252	301.2		mg/Kg		99	90 - 110

Lab Sample ID: 820-10978-11 MSD

Matrix: Solid

Analysis Batch: 67595

Client Sample ID: DS-9

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	50.4		252	302.1		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-67439/1-A

Matrix: Solid

Analysis Batch: 67621

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			11/22/23 05:03	1

Lab Sample ID: LCS 880-67439/2-A

Matrix: Solid

Analysis Batch: 67621

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.4		mg/Kg		97	90 - 110

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QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-67439/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 67621											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	245.2		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 820-10978-21 MS				Client Sample ID: DS-19							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 67621											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	14.4		248	261.8		mg/Kg		100	90 - 110		

Lab Sample ID: 820-10978-21 MSD				Client Sample ID: DS-19							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 67621											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	14.4		248	263.9		mg/Kg		101	90 - 110	1	20

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

GC VOA

Prep Batch: 67330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-21	DS-19	Total/NA	Solid	5035	
820-10978-22	DS-20	Total/NA	Solid	5035	
820-10978-23	DS-21	Total/NA	Solid	5035	
MB 880-67330/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67330/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67330/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 67425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-67425/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 67426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-1	I-2	Total/NA	Solid	5035	
820-10978-2	G-2	Total/NA	Solid	5035	
820-10978-3	DS-1	Total/NA	Solid	5035	
820-10978-4	DS-2	Total/NA	Solid	5035	
820-10978-5	DS-3	Total/NA	Solid	5035	
820-10978-6	DS-4	Total/NA	Solid	5035	
820-10978-7	DS-5	Total/NA	Solid	5035	
820-10978-8	DS-6	Total/NA	Solid	5035	
820-10978-9	DS-7	Total/NA	Solid	5035	
820-10978-10	DS-8	Total/NA	Solid	5035	
820-10978-11	DS-9	Total/NA	Solid	5035	
820-10978-12	DS-10	Total/NA	Solid	5035	
820-10978-13	DS-11	Total/NA	Solid	5035	
820-10978-14	DS-12	Total/NA	Solid	5035	
820-10978-15	DS-13	Total/NA	Solid	5035	
820-10978-16	DS-14	Total/NA	Solid	5035	
820-10978-17	DS-15	Total/NA	Solid	5035	
820-10978-18	DS-16	Total/NA	Solid	5035	
820-10978-19	DS-17	Total/NA	Solid	5035	
820-10978-20	DS-18	Total/NA	Solid	5035	
MB 880-67426/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67426/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67426/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-10978-1 MS	I-2	Total/NA	Solid	5035	
820-10978-1 MSD	I-2	Total/NA	Solid	5035	

Prep Batch: 67568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-67568/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 67632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-1	I-2	Total/NA	Solid	8021B	67426
820-10978-2	G-2	Total/NA	Solid	8021B	67426
820-10978-3	DS-1	Total/NA	Solid	8021B	67426
820-10978-4	DS-2	Total/NA	Solid	8021B	67426
820-10978-5	DS-3	Total/NA	Solid	8021B	67426
820-10978-6	DS-4	Total/NA	Solid	8021B	67426

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

GC VOA (Continued)

Analysis Batch: 67632 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-7	DS-5	Total/NA	Solid	8021B	67426
820-10978-8	DS-6	Total/NA	Solid	8021B	67426
820-10978-9	DS-7	Total/NA	Solid	8021B	67426
820-10978-10	DS-8	Total/NA	Solid	8021B	67426
820-10978-11	DS-9	Total/NA	Solid	8021B	67426
820-10978-12	DS-10	Total/NA	Solid	8021B	67426
820-10978-13	DS-11	Total/NA	Solid	8021B	67426
820-10978-14	DS-12	Total/NA	Solid	8021B	67426
820-10978-15	DS-13	Total/NA	Solid	8021B	67426
820-10978-16	DS-14	Total/NA	Solid	8021B	67426
820-10978-17	DS-15	Total/NA	Solid	8021B	67426
820-10978-18	DS-16	Total/NA	Solid	8021B	67426
820-10978-19	DS-17	Total/NA	Solid	8021B	67426
820-10978-20	DS-18	Total/NA	Solid	8021B	67426
MB 880-67425/5-A	Method Blank	Total/NA	Solid	8021B	67425
MB 880-67426/5-A	Method Blank	Total/NA	Solid	8021B	67426
LCS 880-67426/1-A	Lab Control Sample	Total/NA	Solid	8021B	67426
LCSD 880-67426/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67426
820-10978-1 MS	I-2	Total/NA	Solid	8021B	67426
820-10978-1 MSD	I-2	Total/NA	Solid	8021B	67426

Analysis Batch: 67637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-21	DS-19	Total/NA	Solid	8021B	67330
820-10978-22	DS-20	Total/NA	Solid	8021B	67330
820-10978-23	DS-21	Total/NA	Solid	8021B	67330
MB 880-67330/5-A	Method Blank	Total/NA	Solid	8021B	67330
MB 880-67568/5-A	Method Blank	Total/NA	Solid	8021B	67568
LCS 880-67330/1-A	Lab Control Sample	Total/NA	Solid	8021B	67330
LCSD 880-67330/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67330

Analysis Batch: 67773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-1	I-2	Total/NA	Solid	Total BTEX	
820-10978-2	G-2	Total/NA	Solid	Total BTEX	
820-10978-3	DS-1	Total/NA	Solid	Total BTEX	
820-10978-4	DS-2	Total/NA	Solid	Total BTEX	
820-10978-5	DS-3	Total/NA	Solid	Total BTEX	
820-10978-6	DS-4	Total/NA	Solid	Total BTEX	
820-10978-7	DS-5	Total/NA	Solid	Total BTEX	
820-10978-8	DS-6	Total/NA	Solid	Total BTEX	
820-10978-9	DS-7	Total/NA	Solid	Total BTEX	
820-10978-10	DS-8	Total/NA	Solid	Total BTEX	
820-10978-11	DS-9	Total/NA	Solid	Total BTEX	
820-10978-12	DS-10	Total/NA	Solid	Total BTEX	
820-10978-13	DS-11	Total/NA	Solid	Total BTEX	
820-10978-14	DS-12	Total/NA	Solid	Total BTEX	
820-10978-15	DS-13	Total/NA	Solid	Total BTEX	
820-10978-16	DS-14	Total/NA	Solid	Total BTEX	
820-10978-17	DS-15	Total/NA	Solid	Total BTEX	
820-10978-18	DS-16	Total/NA	Solid	Total BTEX	

Eurofins Lubbock

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

GC VOA (Continued)

Analysis Batch: 67773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-19	DS-17	Total/NA	Solid	Total BTEX	
820-10978-20	DS-18	Total/NA	Solid	Total BTEX	
820-10978-21	DS-19	Total/NA	Solid	Total BTEX	
820-10978-22	DS-20	Total/NA	Solid	Total BTEX	
820-10978-23	DS-21	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 67423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-1	I-2	Total/NA	Solid	8015NM Prep	
820-10978-2	G-2	Total/NA	Solid	8015NM Prep	
820-10978-3	DS-1	Total/NA	Solid	8015NM Prep	
820-10978-4	DS-2	Total/NA	Solid	8015NM Prep	
MB 880-67423/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-67423/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-67423/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 67424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-5	DS-3	Total/NA	Solid	8015NM Prep	
820-10978-6	DS-4	Total/NA	Solid	8015NM Prep	
820-10978-7	DS-5	Total/NA	Solid	8015NM Prep	
820-10978-8	DS-6	Total/NA	Solid	8015NM Prep	
820-10978-9	DS-7	Total/NA	Solid	8015NM Prep	
820-10978-10	DS-8	Total/NA	Solid	8015NM Prep	
820-10978-11	DS-9	Total/NA	Solid	8015NM Prep	
820-10978-12	DS-10	Total/NA	Solid	8015NM Prep	
820-10978-13	DS-11	Total/NA	Solid	8015NM Prep	
820-10978-14	DS-12	Total/NA	Solid	8015NM Prep	
820-10978-15	DS-13	Total/NA	Solid	8015NM Prep	
MB 880-67424/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-67424/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-67424/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
820-10978-5 MS	DS-3	Total/NA	Solid	8015NM Prep	
820-10978-5 MSD	DS-3	Total/NA	Solid	8015NM Prep	

Analysis Batch: 67486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-1	I-2	Total/NA	Solid	8015B NM	67423
820-10978-2	G-2	Total/NA	Solid	8015B NM	67423
820-10978-3	DS-1	Total/NA	Solid	8015B NM	67423
820-10978-4	DS-2	Total/NA	Solid	8015B NM	67423
MB 880-67423/1-A	Method Blank	Total/NA	Solid	8015B NM	67423
LCS 880-67423/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	67423
LCSD 880-67423/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	67423

Analysis Batch: 67488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-5	DS-3	Total/NA	Solid	8015B NM	67424
820-10978-6	DS-4	Total/NA	Solid	8015B NM	67424

Eurofins Lubbock

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

GC Semi VOA (Continued)

Analysis Batch: 67488 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-7	DS-5	Total/NA	Solid	8015B NM	67424
820-10978-8	DS-6	Total/NA	Solid	8015B NM	67424
820-10978-9	DS-7	Total/NA	Solid	8015B NM	67424
820-10978-10	DS-8	Total/NA	Solid	8015B NM	67424
820-10978-11	DS-9	Total/NA	Solid	8015B NM	67424
820-10978-12	DS-10	Total/NA	Solid	8015B NM	67424
820-10978-13	DS-11	Total/NA	Solid	8015B NM	67424
820-10978-14	DS-12	Total/NA	Solid	8015B NM	67424
820-10978-15	DS-13	Total/NA	Solid	8015B NM	67424
MB 880-67424/1-A	Method Blank	Total/NA	Solid	8015B NM	67424
LCS 880-67424/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	67424
LCSD 880-67424/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	67424
820-10978-5 MS	DS-3	Total/NA	Solid	8015B NM	67424
820-10978-5 MSD	DS-3	Total/NA	Solid	8015B NM	67424

Prep Batch: 67569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-16	DS-14	Total/NA	Solid	8015NM Prep	
820-10978-17	DS-15	Total/NA	Solid	8015NM Prep	
820-10978-18	DS-16	Total/NA	Solid	8015NM Prep	
820-10978-19	DS-17	Total/NA	Solid	8015NM Prep	
820-10978-20	DS-18	Total/NA	Solid	8015NM Prep	
820-10978-21	DS-19	Total/NA	Solid	8015NM Prep	
820-10978-22	DS-20	Total/NA	Solid	8015NM Prep	
820-10978-23	DS-21	Total/NA	Solid	8015NM Prep	
MB 880-67569/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-67569/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-67569/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
820-10978-16 MS	DS-14	Total/NA	Solid	8015NM Prep	
820-10978-16 MSD	DS-14	Total/NA	Solid	8015NM Prep	

Analysis Batch: 67589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-1	I-2	Total/NA	Solid	8015 NM	
820-10978-2	G-2	Total/NA	Solid	8015 NM	
820-10978-3	DS-1	Total/NA	Solid	8015 NM	
820-10978-4	DS-2	Total/NA	Solid	8015 NM	
820-10978-5	DS-3	Total/NA	Solid	8015 NM	
820-10978-6	DS-4	Total/NA	Solid	8015 NM	
820-10978-7	DS-5	Total/NA	Solid	8015 NM	
820-10978-8	DS-6	Total/NA	Solid	8015 NM	
820-10978-9	DS-7	Total/NA	Solid	8015 NM	
820-10978-10	DS-8	Total/NA	Solid	8015 NM	
820-10978-11	DS-9	Total/NA	Solid	8015 NM	
820-10978-12	DS-10	Total/NA	Solid	8015 NM	
820-10978-13	DS-11	Total/NA	Solid	8015 NM	
820-10978-14	DS-12	Total/NA	Solid	8015 NM	
820-10978-15	DS-13	Total/NA	Solid	8015 NM	
820-10978-16	DS-14	Total/NA	Solid	8015 NM	
820-10978-17	DS-15	Total/NA	Solid	8015 NM	
820-10978-18	DS-16	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

GC Semi VOA (Continued)

Analysis Batch: 67589 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-19	DS-17	Total/NA	Solid	8015 NM	
820-10978-20	DS-18	Total/NA	Solid	8015 NM	
820-10978-21	DS-19	Total/NA	Solid	8015 NM	
820-10978-22	DS-20	Total/NA	Solid	8015 NM	
820-10978-23	DS-21	Total/NA	Solid	8015 NM	

Analysis Batch: 67601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-16	DS-14	Total/NA	Solid	8015B NM	67569
820-10978-17	DS-15	Total/NA	Solid	8015B NM	67569
820-10978-18	DS-16	Total/NA	Solid	8015B NM	67569
820-10978-19	DS-17	Total/NA	Solid	8015B NM	67569
820-10978-20	DS-18	Total/NA	Solid	8015B NM	67569
820-10978-21	DS-19	Total/NA	Solid	8015B NM	67569
820-10978-22	DS-20	Total/NA	Solid	8015B NM	67569
820-10978-23	DS-21	Total/NA	Solid	8015B NM	67569
MB 880-67569/1-A	Method Blank	Total/NA	Solid	8015B NM	67569
LCS 880-67569/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	67569
LCSD 880-67569/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	67569
820-10978-16 MS	DS-14	Total/NA	Solid	8015B NM	67569
820-10978-16 MSD	DS-14	Total/NA	Solid	8015B NM	67569

HPLC/IC

Leach Batch: 67270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-1	I-2	Soluble	Solid	DI Leach	
820-10978-2	G-2	Soluble	Solid	DI Leach	
820-10978-3	DS-1	Soluble	Solid	DI Leach	
820-10978-4	DS-2	Soluble	Solid	DI Leach	
820-10978-5	DS-3	Soluble	Solid	DI Leach	
820-10978-6	DS-4	Soluble	Solid	DI Leach	
820-10978-7	DS-5	Soluble	Solid	DI Leach	
820-10978-8	DS-6	Soluble	Solid	DI Leach	
820-10978-9	DS-7	Soluble	Solid	DI Leach	
820-10978-10	DS-8	Soluble	Solid	DI Leach	
820-10978-11	DS-9	Soluble	Solid	DI Leach	
820-10978-12	DS-10	Soluble	Solid	DI Leach	
820-10978-13	DS-11	Soluble	Solid	DI Leach	
820-10978-14	DS-12	Soluble	Solid	DI Leach	
820-10978-15	DS-13	Soluble	Solid	DI Leach	
820-10978-16	DS-14	Soluble	Solid	DI Leach	
820-10978-17	DS-15	Soluble	Solid	DI Leach	
820-10978-18	DS-16	Soluble	Solid	DI Leach	
820-10978-19	DS-17	Soluble	Solid	DI Leach	
820-10978-20	DS-18	Soluble	Solid	DI Leach	
MB 880-67270/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67270/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67270/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
820-10978-1 MS	I-2	Soluble	Solid	DI Leach	
820-10978-1 MSD	I-2	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

HPLC/IC (Continued)

Leach Batch: 67270 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-11 MS	DS-9	Soluble	Solid	DI Leach	
820-10978-11 MSD	DS-9	Soluble	Solid	DI Leach	

Leach Batch: 67439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-21	DS-19	Soluble	Solid	DI Leach	
820-10978-22	DS-20	Soluble	Solid	DI Leach	
820-10978-23	DS-21	Soluble	Solid	DI Leach	
MB 880-67439/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67439/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67439/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
820-10978-21 MS	DS-19	Soluble	Solid	DI Leach	
820-10978-21 MSD	DS-19	Soluble	Solid	DI Leach	

Analysis Batch: 67595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-1	I-2	Soluble	Solid	300.0	67270
820-10978-2	G-2	Soluble	Solid	300.0	67270
820-10978-3	DS-1	Soluble	Solid	300.0	67270
820-10978-4	DS-2	Soluble	Solid	300.0	67270
820-10978-5	DS-3	Soluble	Solid	300.0	67270
820-10978-6	DS-4	Soluble	Solid	300.0	67270
820-10978-7	DS-5	Soluble	Solid	300.0	67270
820-10978-8	DS-6	Soluble	Solid	300.0	67270
820-10978-9	DS-7	Soluble	Solid	300.0	67270
820-10978-10	DS-8	Soluble	Solid	300.0	67270
820-10978-11	DS-9	Soluble	Solid	300.0	67270
820-10978-12	DS-10	Soluble	Solid	300.0	67270
820-10978-13	DS-11	Soluble	Solid	300.0	67270
820-10978-14	DS-12	Soluble	Solid	300.0	67270
820-10978-15	DS-13	Soluble	Solid	300.0	67270
820-10978-16	DS-14	Soluble	Solid	300.0	67270
820-10978-17	DS-15	Soluble	Solid	300.0	67270
820-10978-18	DS-16	Soluble	Solid	300.0	67270
820-10978-19	DS-17	Soluble	Solid	300.0	67270
820-10978-20	DS-18	Soluble	Solid	300.0	67270
MB 880-67270/1-A	Method Blank	Soluble	Solid	300.0	67270
LCS 880-67270/2-A	Lab Control Sample	Soluble	Solid	300.0	67270
LCSD 880-67270/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67270
820-10978-1 MS	I-2	Soluble	Solid	300.0	67270
820-10978-1 MSD	I-2	Soluble	Solid	300.0	67270
820-10978-11 MS	DS-9	Soluble	Solid	300.0	67270
820-10978-11 MSD	DS-9	Soluble	Solid	300.0	67270

Analysis Batch: 67621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10978-21	DS-19	Soluble	Solid	300.0	67439
820-10978-22	DS-20	Soluble	Solid	300.0	67439
820-10978-23	DS-21	Soluble	Solid	300.0	67439
MB 880-67439/1-A	Method Blank	Soluble	Solid	300.0	67439
LCS 880-67439/2-A	Lab Control Sample	Soluble	Solid	300.0	67439

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QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

HPLC/IC (Continued)

Analysis Batch: 67621 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-67439/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67439
820-10978-21 MS	DS-19	Soluble	Solid	300.0	67439
820-10978-21 MSD	DS-19	Soluble	Solid	300.0	67439

- 1
- 2
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- 10
- 11
- 12
- 13
- 14

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: I-2

Date Collected: 11/15/23 10:45

Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-1

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			5.05 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 06:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 06:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/22/23 02:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	67423	11/20/23 12:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67486	11/22/23 02:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 08:49	SMC	EET MID

Client Sample ID: G-2

Date Collected: 11/15/23 10:58

Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-2

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			4.96 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 06:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 06:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/22/23 02:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	67423	11/20/23 12:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67486	11/22/23 02:39	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 09:08	SMC	EET MID

Client Sample ID: DS-1

Date Collected: 11/15/23 11:02

Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-3

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			4.96 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 07:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 07:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/22/23 03:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67423	11/20/23 12:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67486	11/22/23 03:02	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 09:15	SMC	EET MID

Client Sample ID: DS-2

Date Collected: 11/15/23 11:07

Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 07:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 07:36	SM	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-2
Date Collected: 11/15/23 11:07
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			67589	11/22/23 03:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	67423	11/20/23 12:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67486	11/22/23 03:25	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 09:21	SMC	EET MID

Client Sample ID: DS-3
Date Collected: 11/15/23 11:12
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 08:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 08:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/21/23 10:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	67424	11/20/23 12:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 10:54	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 09:28	SMC	EET MID

Client Sample ID: DS-4
Date Collected: 11/15/23 11:16
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 08:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 08:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/21/23 12:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	67424	11/20/23 12:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 12:00	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 09:48	SMC	EET MID

Client Sample ID: DS-5
Date Collected: 11/15/23 11:21
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 08:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 08:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/21/23 12:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	67424	11/20/23 12:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 12:22	SM	EET MID

Eurofins Lubbock

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-5

Lab Sample ID: 820-10978-7

Date Collected: 11/15/23 11:21

Matrix: Solid

Date Received: 11/16/23 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	67595	11/21/23 09:54	SMC	EET MID

Client Sample ID: DS-6

Lab Sample ID: 820-10978-8

Date Collected: 11/15/23 11:24

Matrix: Solid

Date Received: 11/16/23 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 09:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/21/23 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	67424	11/20/23 12:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 12:43	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 10:01	SMC	EET MID

Client Sample ID: DS-7

Lab Sample ID: 820-10978-9

Date Collected: 11/15/23 11:29

Matrix: Solid

Date Received: 11/16/23 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 09:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 09:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/21/23 13:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	67424	11/20/23 12:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 13:30	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 10:07	SMC	EET MID

Client Sample ID: DS-8

Lab Sample ID: 820-10978-10

Date Collected: 11/15/23 11:32

Matrix: Solid

Date Received: 11/16/23 13:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 10:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 10:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/21/23 13:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	67424	11/20/23 12:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 13:52	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 10:14	SMC	EET MID

Eurofins Lubbock

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-9
Date Collected: 11/15/23 11:36
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-11
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	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 12:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/21/23 17:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	67424	11/20/23 12:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 17:55	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 10:20	SMC	EET MID

Client Sample ID: DS-10
Date Collected: 11/15/23 11:40
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 12:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 12:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/21/23 18:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	67424	11/20/23 12:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 18:17	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 10:40	SMC	EET MID

Client Sample ID: DS-11
Date Collected: 11/15/23 11:43
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 12:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 12:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/21/23 18:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	67424	11/20/23 12:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 18:39	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 10:47	SMC	EET MID

Client Sample ID: DS-12
Date Collected: 11/15/23 11:46
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 13:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 13:20	SM	EET MID

Eurofins Lubbock

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-12

Date Collected: 11/15/23 11:46

Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			67589	11/21/23 19:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	67424	11/20/23 12:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 19:01	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 11:06	SMC	EET MID

Client Sample ID: DS-13

Date Collected: 11/15/23 11:49

Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-15

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			5.05 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 13:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 13:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/21/23 19:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	67424	11/20/23 12:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 19:23	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 11:13	SMC	EET MID

Client Sample ID: DS-14

Date Collected: 11/15/23 11:52

Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-16

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			5.04 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 14:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/22/23 10:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	67569	11/21/23 14:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 10:56	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 11:20	SMC	EET MID

Client Sample ID: DS-15

Date Collected: 11/15/23 11:54

Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-17

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			4.96 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 14:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 14:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/22/23 12:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	67569	11/21/23 14:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 12:02	SM	EET MID

Eurofins Lubbock

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-15
Date Collected: 11/15/23 11:54
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 11:26	SMC	EET MID

Client Sample ID: DS-16
Date Collected: 11/15/23 11:57
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 15:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 15:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/22/23 12:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	67569	11/21/23 14:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 12:25	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 11:33	SMC	EET MID

Client Sample ID: DS-17
Date Collected: 11/15/23 11:59
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 15:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 15:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/22/23 12:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	67569	11/21/23 14:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 12:47	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 11:39	SMC	EET MID

Client Sample ID: DS-18
Date Collected: 11/15/23 12:02
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-20
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			4.96 g	5 mL	67426	11/20/23 12:52	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 15:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 15:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/22/23 13:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	67569	11/21/23 14:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 13:09	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67270	11/17/23 11:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67595	11/21/23 11:46	SMC	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Client Sample ID: DS-19
Date Collected: 11/15/23 12:05
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-21
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	67330	11/17/23 15:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67637	11/23/23 09:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 09:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/22/23 13:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	67569	11/21/23 14:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 13:32	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67439	11/20/23 14:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67621	11/22/23 05:19	SMC	EET MID

Client Sample ID: DS-20
Date Collected: 11/15/23 12:07
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-22
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			5.05 g	5 mL	67330	11/17/23 15:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67637	11/23/23 09:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 09:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/22/23 13:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67569	11/21/23 14:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 13:54	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	67439	11/20/23 14:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67621	11/22/23 05:36	SMC	EET MID

Client Sample ID: DS-21
Date Collected: 11/15/23 12:10
Date Received: 11/16/23 13:15

Lab Sample ID: 820-10978-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	67330	11/17/23 15:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67637	11/23/23 10:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67773	11/23/23 10:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			67589	11/22/23 14:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	67569	11/21/23 14:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67601	11/22/23 14:16	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	67439	11/20/23 14:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67621	11/22/23 05:42	SMC	EET MID

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

Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

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	T104704400-23-26	06-30-24
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: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

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	EPA	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
- EPA = US Environmental Protection Agency
- 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

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Red Bull

Job ID: 820-10978-1
SDG: KH237046

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
820-10978-1	I-2	Solid	11/15/23 10:45	11/16/23 13:15
820-10978-2	G-2	Solid	11/15/23 10:58	11/16/23 13:15
820-10978-3	DS-1	Solid	11/15/23 11:02	11/16/23 13:15
820-10978-4	DS-2	Solid	11/15/23 11:07	11/16/23 13:15
820-10978-5	DS-3	Solid	11/15/23 11:12	11/16/23 13:15
820-10978-6	DS-4	Solid	11/15/23 11:16	11/16/23 13:15
820-10978-7	DS-5	Solid	11/15/23 11:21	11/16/23 13:15
820-10978-8	DS-6	Solid	11/15/23 11:24	11/16/23 13:15
820-10978-9	DS-7	Solid	11/15/23 11:29	11/16/23 13:15
820-10978-10	DS-8	Solid	11/15/23 11:32	11/16/23 13:15
820-10978-11	DS-9	Solid	11/15/23 11:36	11/16/23 13:15
820-10978-12	DS-10	Solid	11/15/23 11:40	11/16/23 13:15
820-10978-13	DS-11	Solid	11/15/23 11:43	11/16/23 13:15
820-10978-14	DS-12	Solid	11/15/23 11:46	11/16/23 13:15
820-10978-15	DS-13	Solid	11/15/23 11:49	11/16/23 13:15
820-10978-16	DS-14	Solid	11/15/23 11:52	11/16/23 13:15
820-10978-17	DS-15	Solid	11/15/23 11:54	11/16/23 13:15
820-10978-18	DS-16	Solid	11/15/23 11:57	11/16/23 13:15
820-10978-19	DS-17	Solid	11/15/23 11:59	11/16/23 13:15
820-10978-20	DS-18	Solid	11/15/23 12:02	11/16/23 13:15
820-10978-21	DS-19	Solid	11/15/23 12:05	11/16/23 13:15
820-10978-22	DS-20	Solid	11/15/23 12:07	11/16/23 13:15
820-10978-23	DS-21	Solid	11/15/23 12:10	11/16/23 13:15

Loc: 820
10978

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11/27/2023

Terracon										Laboratory: Xenco Address: 6701 Aberdeen Lubbock, Texas 79424		ANAL REQL	
Office Location					Lubbock					Phone: (806) 794-1296		820-10978 Chain of Custody	
Project Manager					Travis Casey					Contact: Holly Taylor			
Sampler's Name					Austin Worley					Sampler's Signature			
Project Number					Project Name					No. Type of Containers			
KH237046					Red Bull								
Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth (FT)	End Depth (FT)	4 oz Glass	BTEX (EPA Method 8021)	Chloride (EPA Method 300)	TPH 8015 extended	Lab Sample ID	
S	11/15/2023	10:45		X	I-2	3.5	4	1	X	X	X		
S	11/15/2023	10:58		X	G-2	3.5	4	1	X	X	X		
S	11/15/2023	11:02		X	DS-1	1	1.5	1	X	X	X		
S	11/15/2023	11:07		X	DS-2	1	1.5	1	X	X	X		
S	11/15/2023	11:12		X	DS-3	1	1.5	1	X	X	X		
S	11/15/2023	11:16		X	DS-4	1	1.5	1	X	X	X		
S	11/15/2023	11:21		X	DS-5	1	1.5	1	X	X	X		
S	11/15/2023	11:24		X	DS-6	1	1.5	1	X	X	X		
S	11/15/2023	11:29		X	DS-7	1	1.5	1	X	X	X		
S	11/15/2023	11:32		X	DS-8	1	1.5	1	X	X	X		
S	11/15/2023	11:36		X	DS-9	1	1.5	1	X	X	X		
S	11/15/2023	11:40		X	DS-10	1	1.5	1	X	X	X		

TURNAROUND TIME		☒ Normal		☐ 48-Hour Rush		☐ 24-Hour Rush		TRRP Laboratory Review Checklist		☐ Yes ☐ No	
Relinquished by (Signature)		Date:		Time:		Received by (Signature)		Date:		Time:	
Austin Worley		11-16-23		13:15		Terracon		11/16/23		13:15	
Relinquished by (Signature)		Date:		Time:		Received by (Signature)		Date:		Time:	
Relinquished by (Signature)		Date:		Time:		Received by (Signature)		Date:		Time:	
Relinquished by (Signature)		Date:		Time:		Received by (Signature)		Date:		Time:	

Matrix	WW Wastewater	W Water	S Soil	L Liquid	A Air Bag	C Charcoal tube	Sl Sludge
Container	VGA - 40 ml vial	A/G - Amber Glass 1L	250 ml x Glass wide mouth	P/O Plastic or other	Wipe		

Lubbock Office ■ 5847 50th Street ■ Lubbock, Texas 79424 ■ 806-300-0140

Responsive ■ Resourceful ■ Reliable



820-10978 Chain of Custody

WHEN RECEIVED (C)

Page 1 of 2

13.0/-12.7 11/16/23
-13.1

CHAIN OF CUSTODY RECORD

		Laboratory: Xenco Address: 6701 Aberdeen Lubbock, Texas 79424		ANALYSIS REQUESTED										LAB USE ONLY DUE DATE:							
Office Location: Lubbock		Phone: (806) 794-1296												TEMP OF COOLER WHEN RECEIVED (°C) <u>-130/-131</u>							
Project Manager: Travis Casey		Contact: Holly Taylor												Page <u>2</u> of <u>2</u>							
Sampler's Name: Austin Worley				Sampler's Signature: <i>Austin Worley</i>																	
Project Number: KH237046				Project Name: Red Bull				No. Type of Containers													
Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth (FT)	End Depth (FT)	4 oz Glass					BTEX (EPA Method 8021)	Chloride (EPA Method 300)	TPH 8015 extended					Lab Sample ID	
S	11/15/2023	11:43		X	DS-11	1	1.5	1					X	X	X						
S	11/15/2023	11:46		X	DS-12	1	1.5	1					X	X	X						
S	11/15/2023	11:49		X	DS-13	1	1.5	1					X	X	X						
S	11/15/2023	11:52		X	DS-14	1	1.5	1					X	X	X						
S	11/15/2023	11:54		X	DS-15	1	1.5	1					X	X	X						
S	11/15/2023	11:57		X	DS-16	1	1.5	1					X	X	X						
S	11/15/2023	11:59		X	DS-17	1	1.5	1					X	X	X						
S	11/15/2023	12:02		X	DS-18	1	1.5	1					X	X	X						
S	11/15/2023	12:05		X	DS-19	1	1.5	1					X	X	X						
S	11/15/2023	12:07		X	DS-20	1	1.5	1					X	X	X						
S	11/15/2023	12:10		X	DS-21	1	1.5	1					X	X	X						
TURNAROUND TIME ☒ Normal ☐ 48-Hour Rush ☐ 24-Hour Rush TRRP Laboratory Review Checklist ☐ Yes ☐ No																					
Relinquished by (Signature): <i>Austin Worley</i>				Date: 11-16-23		Time: 13:15		Received by (Signature): <i>Teddy Randall</i>				Date: 11/16/23		Time: 13:15		Bill To: Terracon					
Relinquished by (Signature):				Date:		Time:		Received by (Signature):				Date:		Time:		e-mail results to: travis.casey@terracon.com austin.worley@terracon.com joseph.guesnier@terracon.com					
Relinquished by (Signature):				Date:		Time:		Received by (Signature):				Date:		Time:							
Relinquished by (Signature):				Date:		Time:		Received by (Signature):				Date:		Time:							
Matrix: WW Wastewater W Water S Soil L Liquid A Air Bag C Charcoal tube SL Sludge Container: VOA 40 ml vial A/G Amber Glass 3L 250 ml Glass wide mouth P/O Plastic or other Wipe																					
Lubbock Office ■ 5847 50th Street ■ Lubbock, Texas 79424 ■ 806-300-0140 Responsive ■ Resourceful ■ Reliable																					

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-10978-1

SDG Number: KH237046

Login Number: 10978

List Number: 1

Creator: Lee, Randell

List Source: Eurofins Lubbock

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	

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-10978-1

SDG Number: KH237046

Login Number: 10978

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 11/17/23 11:10 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
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	

APPENDIX E – INITIAL C-141 AND FINAL C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2330528533
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Dale Woodall	Contact Telephone 575-748-1838
Contact email dale.woodall@dvn.com	Incident # (assigned by OCD) nAPP2330528533
Contact mailing address 205 E. Bender Road. #150; Hobbs, NM 88240	

Location of Release Source

Latitude 32.2673378 Longitude -103.3993607
(NAD 83 in decimal degrees to 5 decimal places)

Site Name RED BULL 31 STATE 4H	Site Type OIL
Date Release Discovered 10/31/2023	API# (if applicable) 30-025-40428

Unit Letter	Section	Township	Range	County
A	31	23S	35E	LEA

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: LIMESTONE LIVESTOCK, LLC)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 51	Volume Recovered (bbls) 40
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release A stainless steel line broke at a connection. The source of the spill was isolated and stopped. 40 bbls were recovered. The spill was on the pad and did not go offsite.

Incident ID	nAPP2330528533
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? YES, MORE THAN 25 BBLS
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? YES; BY DALE WOODALL; TO ROBERT HAMLET AND THE OCD; ON 10/31/2023; BY EMAIL	

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. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Dale Woodall</u>	Title: <u>Env. Professional</u>
Signature: <u>Dale Woodall</u>	Date: <u>11/3/2023</u>
email: <u>dale.woodall@dv.com</u>	Telephone: <u>575-748-1838</u>
<u>OCD Only</u> Received by: <u>Shelly Wells</u> Date: <u>11/3/2023</u>	

RED BULL 31 STATE 4H

10/31/2023

OCD # nAPP2330528533

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>6,604</u>	<u>0.125</u>
Cubic Feet of Soil Impacted	<u>68.796</u>
Barrels of Soil Impacted	<u>12.26</u>
Soil Type	Clay/Sand
Barrels of water Assuming 100% Saturation	<u>1.84</u>
Saturation	Fluid present when squeezed
Estimated Barrels of water Released	0.92
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>6,604</u>	<u>0.500</u>
Standing fluid	<u>49.049</u>
Total fluids spilled	<u>50.889</u>

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 282428

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 282428
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	11/3/2023

APPENDIX F – TERRACON STANDARD OF CARE, LIMITATION, AND RELIANCE

Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, Durango Midstream LLC, as reflected in our proposal (PKH227021).

Additional Scope Limitations

The development of this Amended RAP is based upon information provided by the Client and Terracon's remediation and construction services line. Such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those by information provided by the Client. The data, interpretations, findings, and recommendations are based solely upon reformation executed within the scope of these services.

Reliance

This report has been prepared for the exclusive use of Durango Midstream LLC, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Durango Midstream LLC and Terracon. Any unauthorized distribution or reuse is at Durango Midstream LLC sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal and Durango Midstream LLC and Terracon's Master Services Agreement. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to Durango Midstream LLC and all relying parties unless otherwise agreed in writing.

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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 351448

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	351448
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2330528533
Incident Name	NAPP2330528533 RED BULL 31 STATE #004H @ 30-025-40428
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-40428] RED BULL 31 STATE #004H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	RED BULL 31 STATE #004H
Date Release Discovered	10/31/2023
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water 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	
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.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 51 BBL Recovered: 40 BBL Lost: 11 BBL.
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)	A stainless steel line broke at a connection. The source of the spill was isolated and stopped. 40 bbls were recovered. The spill was on the pad and did not go offsite.

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District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 351448

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	351448
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 06/06/2024
--	--

District I

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District IV

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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 351448

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 351448
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (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)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 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	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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.

Requesting a remediation plan approval with this submission	Yes
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.	
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)	1290
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	118
GRO+DRO (EPA SW-846 Method 8015M)	118
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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.

On what estimated date will the remediation commence	11/09/2023
On what date will (or did) the final sampling or liner inspection occur	11/09/2023
On what date will (or was) the remediation complete(d)	11/15/2023
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	0
What is the estimated volume (in cubic yards) that will be remediated	0

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.

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.

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Action 351448

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
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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.)	<i>Not answered.</i>
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Yes</i>
Other Non-listed Remedial Process. Please specify	Site is below applicable action levels based on depth to groundwater
<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: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 06/06/2024
<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 351448

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	351448
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Deferral Requests Only	
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.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 351448

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	351448
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	351471
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/09/2023
What was the (estimated) number of samples that were to be gathered	69
What was the sampling surface area in square feet	14780

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Site was delineated and determined to be below applicable RALs

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 06/06/2024
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Action 351448

QUESTIONS (continued)

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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 351448

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	7/29/2024