

July 23, 2025

Devon Energy Corp 5315 Buena Bista Dr. Carlsbad NM,88220

Attn: New Mexico Oil Conservation Division

1220 South St. Francis Drive Santa Fe, New Mexico, NM 87505

RE: Release Investigation and Closure Report

Devon Energy Corp.
Hognose Viper 23 Fed 1H
Unit M, Section 23, Township 23 South, Range 33 East 32.2833489°, -103.5489202°
Work Order No. 21453154
NMOCD Incident No. nAPP2432652685
Lea County, New Mexico
Terracon Project No. KH247059

To Whom It May Concern:

Terracon Consultants, Inc. (Terracon) is submitting this Release Investigation and Closure Report on behalf of Devon Energy Production Company, LP (Devon) for the above-referenced site. Prepared in line with New Mexico Oil Conservation Division (NMOCD) regulations, this report addresses the environmental actions taken in response to a release of produced water due to corrosion on a flow line. Detailed assessment and remedial actions by Terracon are outlined in the following sections.

Completed Actions

- 1) Conducted an initial site assessment and a series of sampling events.
- 2) Prepared maps, and associated data tables which are provided for review.
- 3) Collected soil samples from the inferred release area and submitted the samples to an approved laboratory for analysis to determine levels of impact vertically and horizontally.
- 4) Remedial activities were terminated when a confirmation sample was collected below the NMOCD RALs from Oil and Gas impacted soils.

Site Information

A notice of the Release was provided to the NMOCD District 2 Artesia Office by Jordan Villarreal on November 21, 2024, with the submission of the initial C-141 (NMOCD Reference ID: nAPP2432652685). The cause of the release was corrosion in a flow line resulting in a release of 6-barrels of produced water. Five barrels were recovered during the initial response action.



The site is located within Unit M, Section 23, Township 23 South, Range 33 East, approximately 24 miles northwest of Jal, New Mexico. A Topographic Map and Site Location Map are included in Appendix A, as Exhibit 1 and Exhibit 2, respectively.

Regulatory Criteria

Review of the NMOSE Pod website did not identify a water well within 0.5 miles of the site. Therefore, a boring/well was installed on February 12, 2025, to a depth of 55 feet below ground surface (bgs). The well was allowed to recover for 72 hours and was found to be "dry" with no water in the well, indicating the depth to water is greater than 55 feet bgs. The well was then plugged in accordance with New Mexico Office of State Engineer (NMOSE) rules and regulations. A Boring-Well Location Map is included in Appendix A, Exhibit 3. On this basis it appears the depth to water is greater than 50 feet bgs.

There is no known lakebed, sinkhole or Playa Lake within 200 feet, no known occupied permanent residence, school, hospital or church within 300 feet, no known freshwater sources within 1,000 feet and no known wetland within 300 feet of the site. Review of the Federal Emergency Management Agency (FEMA) flood maps, identify the site is within Zone D indicating the flood hazards are undetermined but possible, and a flood hazard analysis hasn't been conducted for that area, and the flood risk is uncertain. Therefore, Zone D is not part of a Special Flood Hazard Area (SFHA) and is outside the 100-year floodplain. The site is not overlying a subsurface mine or unstable area. A review of the U.S. Fish and Wildlife Service, National Wetlands Inventory website indicates there is a Riverine located approximately 0.73 miles northeast of the site as indicated in the Regulatory Criteria Map included in Appendix A, Exhibit 4. A review of geospatial data obtained from the BLM Carlsbad Field Office website indicated that the site is within an area of low risk for Karst formations, as indicated in the Cave Karst Public UCP Map in Appendix A, Exhibit 5.

Remediation Standards (Surface to 4 ft. bgs)

The RAL's for the site are based on the remedial requirements for an on-pad release consisting of the removal of the affected soil from the surface to 4 feet below grade surface (bgs) in an area with depth to groundwater 51' to 100' bgs. The below remediation limits for BTEX (includes benzene, toluene, ethylbenzene, and xylenes), and benzene, chlorides and TPH (GRO+DRO+MRO), are defined within New Mexico Administration Code (NMAC) 19.15.29.12 and in the NMOCD guidance document "Procedures for Implementation of the Spill Rule" dated September 6, 2019.:



Parameters	Closure Criteria	Analytical Method
Total Benzene, Toluene, Ethylbenzene and Xylenes (Total BTEX)	50 mg/kg	EPA Method 8021B
Benzene	10 mg/kg	EPA Method 8021B
Chlorides	10,000 mg/kg	EPA Method 300
Total Petroleum Hydrocarbons (TPH) GRO, DRO and MRO	2,500 mg/kg	EPA Method 8015M
TPH (GRO+DRO)	1,000 mg/kg	EPA Method 8015M

Release Assessment / Delineation Activities

Terracon conducted release assessment activities at the site from November 25, 2024, and December 2, 2024. An area of approximately 2,555 square feet was affected by the release. A total of 20 delineation samples from 16 locations were collected and submitted for analysis of BTEX, Chlorides, and TPH. Delineation sample results for BTEX and TPH were below applicable NMOCD RAL's. Two delineation samples exceeded the RAL's for Chloride with results of 23,800 mg/kg in DSV-04 (0.0'-0.5') and 29,200 mg/kg in DSV-02 (0.0'-0.5'). These two areas were subsequently excavated during remedial activities as described in the following section. A Delineation Sample Map depicting the sample locations, and the inferred release extent are included in Appendix A, Exhibit 6. Delineation sample results are included in Appendix B, Table 1.

Remediation / Confirmation / Closure Activities

Remediation activities were conducted at the site from March 31, 2025, to July 14, 2025. This work consisted of excavation and removal of soil that exceeded NMOCD RAL's. The material remaining in place does not exceed NMOCD RAL's.

A total area of approximately 2,917 square feet was excavated to a depth of between 1-foot to 1.5-feet bgs. The excavated material was stockpiled on site, then was hauled off-site and disposed of at Delaware Basin Landfill disposal facility. In compliance with NMOCD 48-hour sample notification requirement, Devon submitted 48-hour sample notification. In compliance with NMOCD closure requirements, five-point composite closure soil samples were collected from the excavation on 200 square foot intervals. On June 20, 2025, Terracon collected a total of 14 confirmation floor samples, CFS-1 (1.0-1.5 ft) through CFS-14 (1.0-1.5 ft). The soil samples collected were submitted for analysis of BTEX, Chloride, TPH, the results for these floor samples were below the NMOCD RAL's.

A total of 8 five-point composite confirmation wall samples, CWS-1 (0.0'-1.5') through CWS-8 (0.0'-1.5') and CWS-8.1 (0.0'-1.5') were collected on 200 linier foot intervals. One confirmation wall sample CWS-8.1 (0.0-1.5 ft) exceeded the NMOCD RAL's for Chloride at a concentration of 18,800 mg/kg.



The exceedance area was excavated an additional 4-feet horizontally to a depth of 1.5-feet bgs and on June 3, 2025, one composite floor sample CFS-15 (1.0-1.5 ft) and one composite wall sample CWS-8.1 (0.0-1.5 ft) were collected. The BTEX, Chloride and TPH results for these samples were below NMOCD RAL's.

A total volume of approximately 180 cubic yards of affected soil was excavated and disposed of at the Delaware Basin Disposal Facility. Once the closure criteria were attained, the excavation was backfilled with approximately 180 cubic yards of suitable non-waste containing backfill material. A composite sample of the backfill material (BFS-1) was collected and analyzed by a laboratory for BTEX, Chloride and TPH to evaluate suitability. The laboratory sample results of the backfill indicate BTEX and TPH were below the laboratory detection limits, and Chloride was detected at a concentration of 364 mg/kg, which is below the NMOCD RAL. A Confirmation Sample Map depicting the floor and wall sample locations is included in Appendix A, Exhibit 7. Floor and wall confirmation sample analytical results are included in Appendix B, Table 2. Photographs of the project site are included in Appendix C. The analytical reports and Chain of Custody (COC) are included in Appendix D. Terracon's Standard of Care, Limitation, and Reliance is included in Appendix E.

Conclusion

In accordance with NMAC 19.15.29.12, remediation of the impacted material is complete, and Devon Energy Production Company, LP respectfully requests closure of the reportable incident that occurred on November 21, 2024, at the NMOCD Reference # nAPP2432652685 – Hognose Viper 23 Federal 1H location.

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

Sincerely,

Fierracon

Prepared by:

Charles F. Smith

Senior Project Manager

Reviewed by:

John Grams, P.G. (TX)

Senior Geologist



Attachments:

Appendix A - Exhibits

Exhibit 1 - Topographic Map

Exhibit 2 - Site Location Map

Exhibit 3 - NMOSE POD Location Map

Exhibit 4 - Regulatory Criteria Map

Exhibit 5 - Cave Karst Public UCP Map

Exhibit 6 – Delineation Sample Map

Exhibit 7 - Confirmation Sample Location Map

Appendix B - Tables and Well Data

Table 1 - Delineation Sample Results

Table 2 - Confirmation Sample Results

Attachment 1 - Well Log Data

Appendix C - Photographic Log

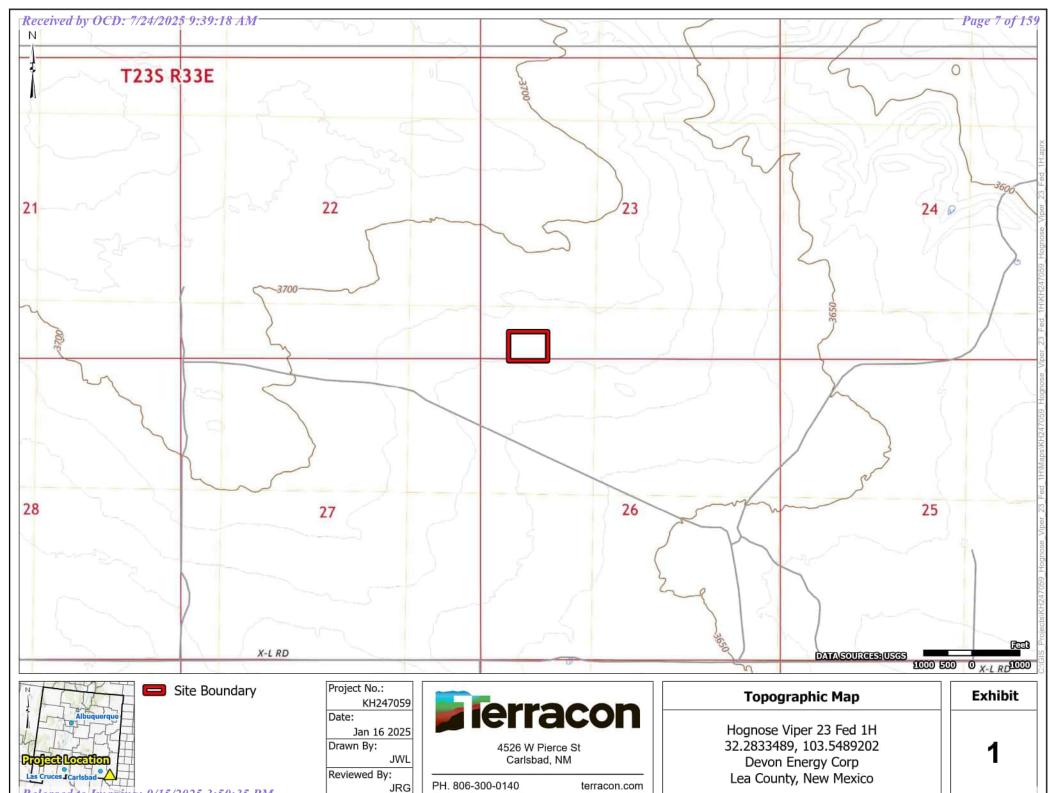
Appendix D - Analytical Report and Chain of Custody

Appendix E - Terracon Standard of Care, Limitation, and Reliance



APPENDIX A - EXHIBITS

Facilities | Environmental | Geotechnical | Materials



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Site Boundary

Project No.: KH247059

Date:

Jan 16 2025 Drawn By:

JWL

Reviewed By: JRG



4526 W Pierce St Carlsbad, NM

PH. 806-300-0140

terracon.com

Site Location Map

Hognose Viper 23 Fed 1H 32.2833489, 103.5489202 Devon Energy Corp Lea County, New Mexico

Exhibit





Inferred Release

NMOSE POD Location

Project No.: KH247059 Date:

Mar 12 2025

Drawn By: JWL

Reviewed By: JRG



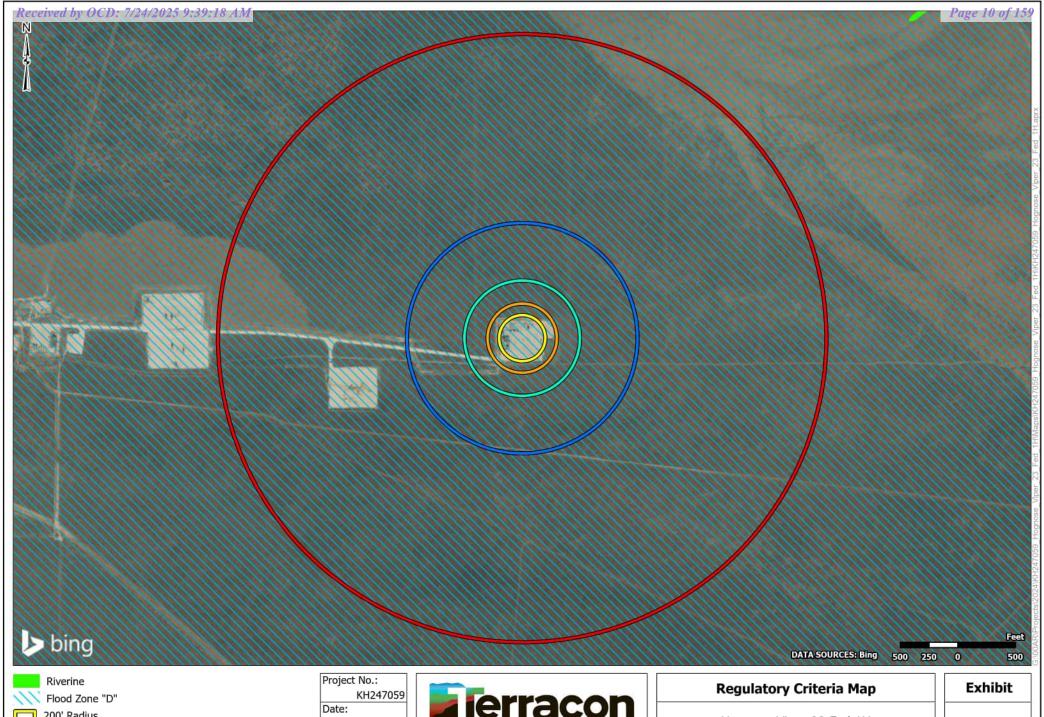
4526 W Pierce St Carlsbad, NM

PH. 806-300-0140 terracon.com

NMOSE POD Location Map

Hognose Viper 23 Fed 1H 32.2833489, 103.5489202 Devon Energy Corp Lea County, New Mexico

Exhibit



200' Radius 300' Radius 500' Radius 1000' Radius

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Jul 23 2025

Drawn By:

JWL Reviewed By: **JRG**



5847 50th St Lubbock, TX

PH. 806-300-0140 terracon.com

Hognose Viper 23 Fed 1H 32.2833489, 103.5489202 Devon Energy Corp Lea County, New Mexico

4





Project No.: KH247059

Date:

Jan 16 2025

Drawn By: JWL

Reviewed By: JRG



4526 W Pierce St Carlsbad, NM

PH. 806-300-0140

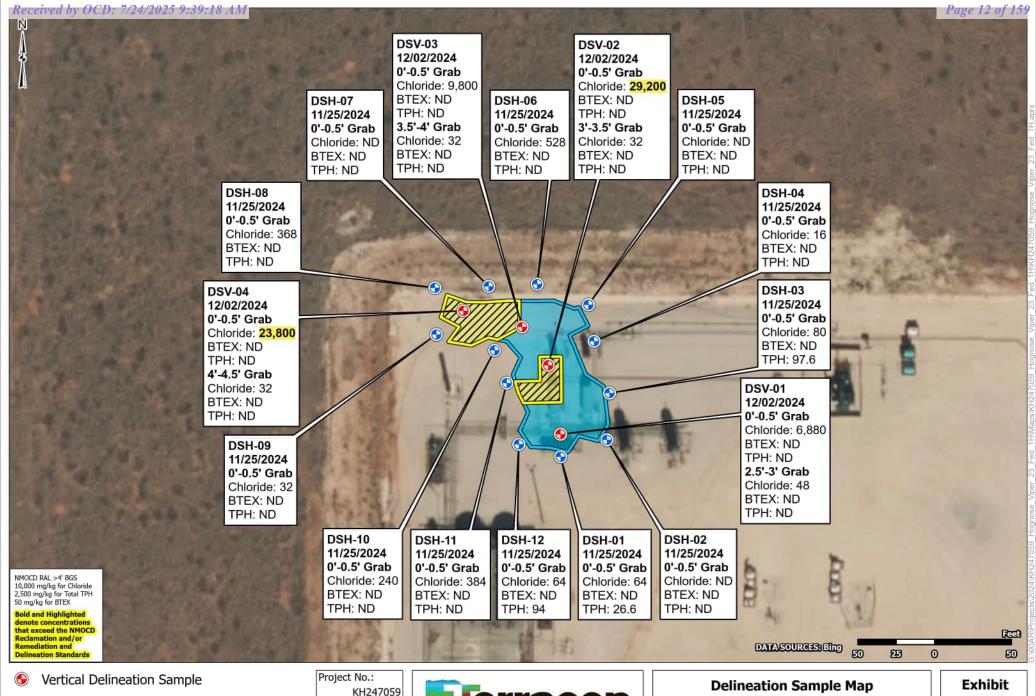
terracon.com

Cave Karst Public UCP Map

Hognose Viper 23 Fed 1H 32.2833489, 103.5489202 Devon Energy Corp Lea County, New Mexico

Exhibit

6



Horizontal Delineation Sample

Inferred Release Area (2,555 Sq Ft)

Exceeds NMOSE Standards (1,200 Sq Ft)

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Date: Jul 08 2025

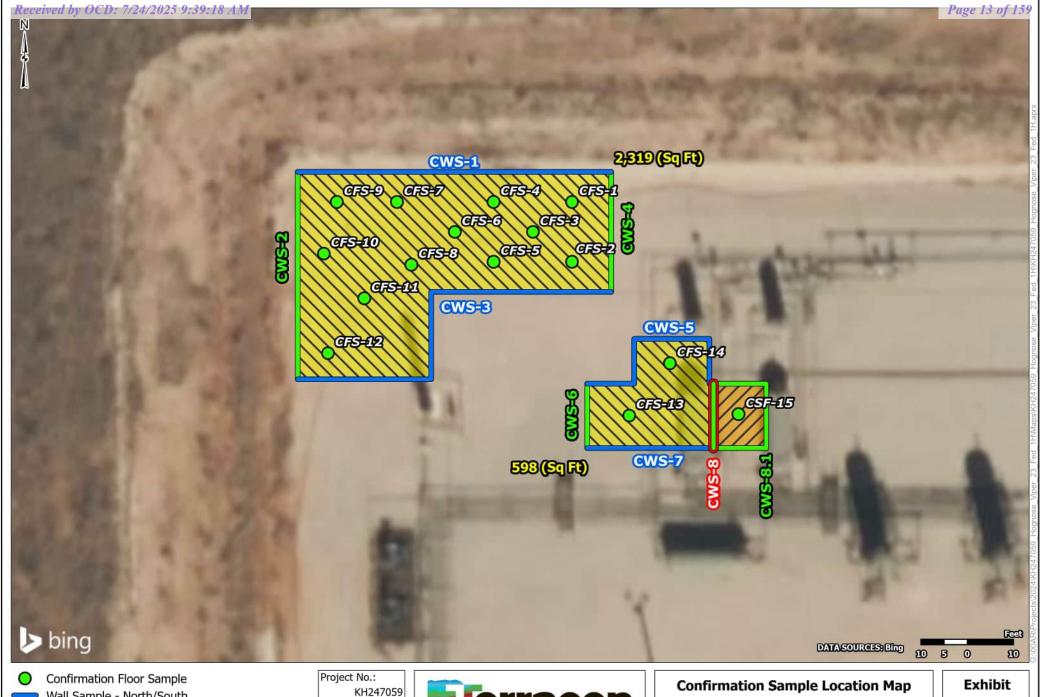
Drawn By: JWL

Reviewed By: **JRG**



5847 50th St Lubbock, TX

PH. 806-300-0140 terracon.com Hognose Viper 23 Fed 1H 32.2833489, 103.5489202 Devon Energy Corp Lea County, New Mexico



Wall Sample - North/South

Wall Sample - East/West

Wall Sample with Concentrations Exceeding Closure Criteria

Additional Excavated Area

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Date:

Jul 09 2025

Drawn By: JWL

Reviewed By: **JRG**



5847 50th St Lubbock, TX

PH. 806-300-0140 terracon.com

Hognose Viper 23 Fed 1H 32.2833489, 103.5489202 Devon Energy Corp Lea County, New Mexico



APPENDIX B - TABLES AND WELL DATA

Facilities | Environmental | Geotechnical | Materials

Table 1 Soil Analytical Results Summary - Delineation Sample Results

Project Number: KH247059 - Hognose Viper 23 Fed 1H NMOCD Reference No. nAPP2432652685

					MMOCD Kele	HENCE NO. HA	PP243203200	99			
Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Organics Organics (C6-C10) (Over C10-C28)	
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
						elease Assessn		001314			001514
						tal Delineation					
DSH-01	11/25/2024	0 - 0.5	HA-Grab	In-Situ	64	ND	ND	26.6	ND	26.6	ND
DSH-02	11/25/2024	0 - 0.5	HA-Grab	In-Situ	ND	ND	ND	0	ND	ND	ND
DSH-03	11/25/2024	0 - 0.5	HA-Grab	In-Situ	80	ND	ND	97.6	ND	67.8	29.8
DSH-04	11/25/2024	0 - 0.5	HA-Grab	In-Situ	16	ND	ND	ND	ND	ND	ND
DSH-05	11/25/2024	0 - 0.5	HA-Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND
DSH-06	11/25/2024	0 - 0.5	HA-Grab	In-Situ	528	ND	ND	ND	ND	ND	ND
DSH-07	11/25/2024	0 - 0.5	HA-Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND
DSH-08	11/25/2024	0 - 0.5	HA-Grab	In-Situ	368	ND	ND	ND	ND	ND	ND
DSH-09	11/25/2024	0 - 0.5	HA-Grab	In-Situ	32	ND	ND	ND	ND	ND	ND
DSH-10	11/25/2024	0 - 0.5	HA-Grab	In-Situ	240	ND	ND	ND	ND	ND	ND
DSH-11	11/25/2024	0 - 0.5	HA-Grab	In-Situ	384	ND	ND	ND	ND	ND	ND
DSH-12	11/25/2024	0 - 0.5	HA-Grab	In-Situ	64	ND	ND	94	ND	53.7	40.3
						al Delineation					
DSV-01	12/2/2024	0 - 0.5	HA-Grab	In-Situ	6,880	ND	ND	ND	ND	ND	ND
D3V 01	12/2/2024	2.5 - 3	HA-Grab	In-Situ	48	ND	ND	ND	ND	ND	ND
DSV-02	12/2/2024	0 - 0.5	HA-Grab	In-Situ	29,200	ND	ND	ND	ND	ND	ND
201 02	12/2/2024	3 - 3.5	HA-Grab	In-Situ	32	ND	ND	ND	ND	ND	ND
DSV-03	12/2/2024	0 - 0.5	HA-Grab	In-Situ	9,800	ND	ND	ND	ND	ND	ND
	12/2/2024	3.5 - 4	HA-Grab	In-Situ	32	ND	ND	ND	ND	ND	ND
DSV-04	12/2/2024	0 - 0.5	HA-Grab	In-Situ	23,800	ND	ND	ND	ND	ND	ND
	12/2/2024	4 - 4.5	HA-Grab	In-Situ	32	ND	ND	ND	ND 1.6	ND	ND
		tandards ³ (Surfa			10,000	10	50	2,500	1,0		NA
		rds ⁴ (Greater tha		f 4 ft bgs)	10,000	10	50	2,500	1,0	000	NA
ı. BIEX = Benze	ene, Toluene, Eth	vlbenzene, and tot	ai xvienes						l	1	

^{1.} BTEX = Benzene, Toluene, Ethylbenzene, and total Xylenes

Bold and Highlighted values 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.





^{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

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

NA = Not Applicable

Table 2

Soil Analytical Results Summary - Confirmation Floor, Wall & Backfill Samples Project Number: KH247059 - Hognose Viper 23 Fed 1H NMOCD Reference No. nAPP2432652685

Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
					EPA Method	EPA Method	EPA Method	EPA Method	EPA Method	EPA Method	EPA Method
					300	8021B ation Floor S	8021B	8015M	8015M	8015M	8015M
050.1	6 (20 (2025	1015		T 0''						ND	
CFS-1	6/20/2025	1.0-1.5	Composite	In-Situ	399	ND	ND	ND	ND	ND	ND
CFS-2	6/20/2025	1.0-1.5	Composite	In-Situ	1,480	ND	ND	ND	ND	ND	ND
CFS-3	6/20/2025	1.0-1.5	Composite	In-Situ	262	ND	ND	ND	ND	ND	ND
CFS-4	6/20/2025	1.0-1.5	Composite	In-Situ	186	ND	ND	ND	ND	ND	ND
CFS-5	6/20/2025	1.0-1.5	Composite	In-Situ	198	ND	ND	ND	ND	ND	ND
CFS-6	6/20/2025	1.0-1.5	Composite	In-Situ	863	ND	ND	ND	ND	ND	ND
CFS-7	6/20/2025	1.0-1.5	Composite	In-Situ	213	ND	ND	ND	ND	ND	ND
CFS-8	6/20/2025	1.0-1.5	Composite	In-Situ	789	ND	ND	ND	ND	ND	ND
CFS-9	6/20/2025	1.0-1.5	Composite	In-Situ	653	ND	ND	ND	ND	ND	ND
CFS-10	6/20/2025	1.0-1.5	Composite	In-Situ	448	ND	ND	ND	ND	ND	ND
CFS-11	6/20/2025	1.0-1.5	Composite	In-Situ	712	ND	ND	ND	ND	ND	ND
CFS-12	6/20/2025	1.0-1.5	Composite	In-Situ	1,490	ND	ND	ND	ND	ND	ND
CFS-13	6/20/2025	1.0-1.5	Composite	In-Situ	302	ND	ND	ND	ND	ND	ND
CFS-14	6/20/2025	1.0-1.5	Composite	In-Situ	6,440	ND	ND	ND	ND	ND	ND
CFS-15	7/3/2025	1.0-1.5	Composite	In-Situ	2,980	ND	ND	ND	ND	ND	ND
					Confirm	ation Wall Sa	amples				
CWS-1	6/20/2025	0.0-1.5	Composite	In-Situ	524	ND	ND	ND	ND	ND	ND
CWS-2	6/20/2025	0.0-1.5	Composite	In-Situ	96.8	ND	ND	ND	ND	ND	ND
CWS-3	6/20/2025	0.0-1.5	Composite	In-Situ	1,440	ND	ND	ND	ND	ND	ND
CWS-4	6/20/2025	0.0-1.5	Composite	In-Situ	5,140	ND	ND	ND	ND	ND	ND
CWS-5	6/20/2025	0.0-1.5	Composite	In-Situ	2,090	ND	ND	ND	ND	ND	ND
CWS-6	6/20/2025	0.0-1.5	Composite	In-Situ	1,480	ND	ND	ND	ND	ND	ND
CWS-7	6/20/2025	0.0-1.5	Composite	In-Situ	3,930	ND	ND	ND	ND	ND	ND
CWS-8	6/20/2025	0.0-1.5	Composite	Excavated	18,800	ND	ND	237	ND	237	ND
CWS-8.1	7/3/2025	0.0-1.5	Composite	In-Situ	824	ND	ND	ND	ND	ND	ND
					Ba	ackfill Sample	е				
BFS-1	7/14/2025	NA	Composite	In-Situ	364	ND	ND	ND	ND	ND	ND
NMOC	NMOCD Reclamation Standards3 (Surface to 4 ft bgs)					10	50	2,500	1,0	000	NA
NMOCD Rem	ediation Stand	ards ⁴ (Greate	r than Depths	of 4 ft bgs)	10,000	10	50	2,500	1,0	000	NA
1. BTEX = Ber	nzene, toluene, e	thylbenzene.	and total xylene	es	•	•					

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

2. TPH = Total Petroleum Hydrocarbons

NA = Not Applicable

Bold denotes concentrations above applicable laboratory SDLs.

Bold and Highlighted values 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.





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



2904 W 2nd St. Roswell, NM 88201 Voice: 575.624,2420 fax: 575.624,2421 www.atkinseng.com

March 11, 2025

DII-NMOSE 1900 W 2nd Street Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4929 Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4929 Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

Garan Model



							-						
ION	POD 1 (T	W-1)	•		WELL TAG ID NO. N/A			OSE FILE NO C-4929	(S).				
OCAT	WELL OWN Devon En		(S) duction Company I	LP				PHONE (OPTI	IONAL)				
GENERAL AND WELL LOCATION	WELL OWN 5315 Buer		NG ADDRESS					CITY Carlsbad			STATE NM	88220	ZIP
AND	WELL			DEGREES 32	MINUTES 16	SECONDS							
ERAL	LOCATIO (FROM GI	PS)	ATITUDE ONGITUDE	103	32	59.1	N W	* ACCURACY * DATUM RE			TH OF A	SECOND	
1. GEN	DESCRIPTI Hognose V	ON RELAT	ING WELL LOCATION Federal,SE SW SW	TO STREET ADDI	RESS AND COMMON	LANDMARKS	- PLS	S (SECTION, TO	WNSHJIP, RA	ANGE) WH	IERE AVA	AILABLE	
	LICENSE NO		NAME OF LICENSI	ED DRILLER					NAME OF	WELL DR	ILLING C	COMPANY	
	124				Jackie D. Atkins							g Associates, I	
	DRILLING S 2/11		DRILLING ENDED 2/11/25		MPLETED WELL (FT) rary Well Materia			LE DEPTH (FT) ±55	DEPTH W	ATER FIR	ST ENCO N/A	UNTERED (FT) A	
NC	COMPLETE	D WELL IS:	ARTESIAN *ad Centralizer info	ld 📝 DRY HOI below	E SHALLOW	(UNCONFIN	ED)		WATER LEV PLETED WEI		/A	DATE STATIC 03/04/	
ATIC	DRILLING F		☐ AIR	☐ MUD		S - SPECIFY:							
ORM	DRILLING M	DRILLING METHOD: ROTARY HAMMER CABLE TOOL OTHER - SPECIF							Auger	CHECK INSTAL	HERE IF LED	PITLESS ADAI	TER IS
DRILLING & CASING INFORMATION	DEPTH FROM	(feet bgl)	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and			CASING CONNECTION TYPE				THI	CASING WALL THICKNESS	
r CA	0	55	±6.25	note :	Soil Boring	(add		ing diameter)	(men	es)	(4	inches)	(inches)
NG &													
ILLI													
2. DR													
~													
1													
ı													
	DEPTH ((feet bgl)	BORE HOLE	LIST ANNU	LAR SEAL MATERI. RANGE BY		AVEL	PACK SIZE-	AM	OUNT		МЕТНОІ	O OF
ANNULAR MATERIAL	FROM	ТО	DIAM. (inches)	*(if using Cen	tralizers for Artesian	wells- indica	te the	spacing below)	(cub	ic feet)		PLACEM	ENT
ATE				-	N/.	A							
RM											-		
ILA											-		
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3.													
	OSE INTERI	NAL USE								CORD &	LOG (Version 09/22	/2022)
FILE					POD NO.		-	TRN N				-1	
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	011-							_			
	DEPTH (feet bgl)		COLORA	MD TWDE OF MATERIAL	ENICOL	MEDDED				ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WAT	ND TYPE OF MATERIAL ER-BEARING CAVITIES upplemental sheets to fully	OR FRA	CTURE ZONI	ES	WAT BEAR (YES /	ING?	YIELD FOR WATER- BEARING ZONES (gpm)
	0	24	24		Sand/Caliche, fine-graine	d ,Tan			Y	✓ N	ZONES (gpin)
	24	49	25	Sa	und/Slight Caliche, fine-grain		wn		Y	✓ N	
	49	55	6		Sand, Brown				Y	✓ N	
									Y	N	
									Y	N	
4									Y	N	
WEI									Y	N	
4. HYDROGEOLOGIC LOG OF WELL									Y	N	
503									Y	N	
ic.									Y	N	
107									Y	N	
GEO									Y	N	
)RO									Y	N	
HXI									Y	N	
4									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
	METHOD US	SED TO ES	TIMATE YIELD	OF WATER-BEARIN	G STRATA:			TOTA	L ESTIMA	ATED	
	PUMP	AI	R LIFT	BAILER O	THER - SPECIFY:			WEL	L YIELD	(gpm):	
ION	WELL TEST	TEST F	RESULTS - ATTA TIME, END TIM	ACH A COPY OF DAT IE, AND A TABLE SI	FA COLLECTED DURING HOWING DISCHARGE AN	WELL '	TESTING, INC	LUDIN ER THE	NG DISCH	ARGE N	METHOD, D.
5. TEST; RIG SUPERVISION	MISCELLAN	IEOUS INFO	Tei bel	ow ground surface(b	al removed and soil borings), then hydrated bentor om onsite Terracon Perso	nite chir	illed using dros ten feet bgs	ill cutt:	ings from face See	total de attach	opth to ten feet plugging
TES	PRINT NAM	E(S) OF DR	ILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERVI	SION O	F WELL CON	STRUC	TION OTI	HER TH	AN LICENSEE:
ri,	Shane Eldrid	ge, Camero	on Pruitt								
SIGNATURE	CORRECT K	FCOKD OF	THE ABOVE DI	ESCRIBED HOLE AN	EST OF HIS OR HER KNO ID THAT HE OR SHE WIL PLETION OF WELL DRIL	L FILE	GE AND BELL THIS WELL R	EF, THECOR	IE FOREG D WITH T	OING IS HE STA	S A TRUE AND TE ENGINEER
6. SIGN	Jack Atkins (Ma	ar 10, 2025 1			ckie D. Atkins				03/10/2	2025	
		SIGNATU	RE OF DRILLER	/ PRINT SIGNEE	NAME				D	ATE	
_FOR	OSE INTERN	AL USE					WR-20 WFI	L REC	ORD & 1.0)G (Ver	sion 09/22/2022)
	E NO.				POD NO.		TRN NO.	. <u></u>	VILL OF TH	, o (v cl	51011 07/22/2022)
LOC	CATION					WELL	TAG ID NO.				PAGE 2 OF 2



PLUGGING RECORD



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

I. GE	<u>NERAL / WELL OWNERSHIP:</u>		
	Engineer Well Number: C-4929 POD 1		
Well o	wner: Devon Energy Production Company LP	Phone No.:	
Mailin	g address: 5315 Buena Vista		
City:	Carlsbad State:	NM	Zip code: 88220
			1
II. WI	ELL PLUGGING INFORMATION:		
1)	Name of well drilling company that plugged well:	Jackie D. Atkins (Atkins Engineering	Associates Inc.)
2)	New Mexico Well Driller License No.: 1249	Expira	ation Date: 04/30/25
3)	Well plugging activities were supervised by the follo Cameron Pruitt	owing well driller(s)/rig supervisor(s	s):
4)	Date well plugging began: 03/04/2025	_ Date well plugging concluded:	03/04/2025
5)	GPS Well Location: Latitude: 32 Longitude: 103	_deg,16min,59.1 _deg,32min,54.6	_ sec _ sec, WGS 84
6)	Depth of well confirmed at initiation of plugging as: by the following manner: Water level probe	ft below ground level (bgl),
7)	Static water level measured at initiation of plugging:	n/a ft bgl	
8)	Date well plugging plan of operations was approved	by the State Engineer: 01/14/2025	; =a
9)	Were all plugging activities consistent with an approv differences between the approved plugging plan and	ved plugging plan? Yes the well as it was plugged (attach ac	_ If not, please describe dditional pages as needed):

Version: September 8, 2009 Page 1 of 2 Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
-	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Boring	
54.	- yaratea Bernerinte				
	10'-55'				
-	Drill Cuttings	Approx. 72 gallons	72 gallons	Boring	
_					
-					
-					
_					
-					
2-					
		MULTIPLY B cubic feet x 7.4	Y AND OBTAIN 805 = gallons		
H GIGN	CELLO E	cubic yards x 201.9	805 = gallons 7 = gallons		

III. SIGNATURE:

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

Jackstkins (Mar 10, 2025 15:39 MDT)	03/10/2025
Signature of Well Driller	Date

Version: September 8, 2009

Page 2 of 2

WR-20 Well Record and Log-packet-forsign

Final Audit Report

2025-03-10

Created:

2025-03-10

By:

Lucas Middleton (lucas@atkinseng.com)

Status:

Signed

Transaction ID:

CBJCHBCAABAAI7-bO0l2MocFiOjmkWZeh26K7Xc_s44U

"WR-20 Well Record and Log-packet-forsign" History

Document created by Lucas Middleton (lucas@atkinseng.com) 2025-03-10 - 9:33:58 PM GMT

Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2025-03-10 - 9:34:22 PM GMT

Email viewed by Jack Atkins (jack@atkinseng.com) 2025-03-10 - 9:38:08 PM GMT

Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2025-03-10 - 9:39:54 PM GMT - Time Source: server

Agreement completed.
 2025-03-10 - 9:39:54 PM GMT





APPENDIX C - PHOTOGRAPHIC LOG

Facilities | Environmental | Geotechnical | Materials





PHOTO 1: View of sign near southwest corner of location.



PHOTO 2: View facing northeast of site location sign and facility.





PHOTO 3: View facing west of the release area near the northwest corner of the site.



PHOTO 4: View facing west of the excavated area near the northwest corner of the site.

Responsive ■ Resourceful ■ Reliable





PHOTO 5: View facing west of backfilling the excavation area near the northwest corner of site.



PHOTO 6: View facing east of backfilling the excavation area near the northwest corner of the site.

Responsive ■ Resourceful ■ Reliable





PHOTO 7: View facing north of release area near horizontal tanks.



PHOTO 8: View facing northwest of excavation area near horizontal tanks.

Responsive Resourceful Reliable





PHOTO 9: View facing west of excavation area near horizontal tanks.



PHOTO 10: View facing northwest of excavation area after backfilling near horizontal tanks.

Responsive Resourceful Reliable



APPENDIX D – ANALYTICAL REPORT AND CHAIN OF CUSTODY



December 05, 2024

TRAVIS CASEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: HOGNOSE VIPER 23 FED 1H

Enclosed are the results of analyses for samples received by the laboratory on 11/27/24 9:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keena

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/27/2024 Sampling Date: 11/25/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact
Project Number: KH247059 Sample Received By: Alyssa Parras

Applyand By 14

Project Location: DEVON

Sample ID: DSH - 01 0-0.5' (H247280-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2024	ND	1.99	99.3	2.00	3.75	
Toluene*	<0.050	0.050	12/02/2024	ND	1.90	95.2	2.00	7.40	
Ethylbenzene*	<0.050	0.050	12/02/2024	ND	1.90	94.8	2.00	10.6	
Total Xylenes*	<0.150	0.150	12/02/2024	ND	5.63	93.9	6.00	11.8	
Total BTEX	<0.300	0.300	12/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/03/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2024	ND	180	89.9	200	6.72	
DRO >C10-C28*	26.6	10.0	12/02/2024	ND	171	85.4	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	12/02/2024	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keena



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/27/2024 Sampling Date: 11/25/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact
Project Number: KH247059 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: DEVON

Sample ID: DSH - 02 0-0.5' (H247280-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2024	ND	1.99	99.3	2.00	3.75	
Toluene*	<0.050	0.050	12/02/2024	ND	1.90	95.2	2.00	7.40	
Ethylbenzene*	<0.050	0.050	12/02/2024	ND	1.90	94.8	2.00	10.6	
Total Xylenes*	<0.150	0.150	12/02/2024	ND	5.63	93.9	6.00	11.8	
Total BTEX	<0.300	0.300	12/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/03/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2024	ND	180	89.9	200	6.72	
DRO >C10-C28*	<10.0	10.0	12/02/2024	ND	171	85.4	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	12/02/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.4	% 49.1-14	8						

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Celey D. Keena



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/27/2024 Reported: 12/05/2024

Project Name: HOGNOSE VIPER 23 FED 1H

89.4 %

49.1-148

Project Number: KH247059

Project Location: DEVON

BTEX 8021B

Sampling Date: 11/25/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: DSH - 03 0-0.5' (H247280-03)

Benzene* <0.050	BIEX 8021B	mg/	кg	Anaiyze	а ву: эп					
Toluene* < 0.050 0.050 12/02/2024 ND 1.90 95.2 2.00 7.40 Ethylbenzene* < 0.050 0.050 12/02/2024 ND 1.90 94.8 2.00 10.6 Total Xylenes* < 0.150 0.150 12/02/2024 ND 5.63 93.9 6.00 11.8 Total BTEX < 0.300 0.300 12/02/2024 ND Surrogate: 4-Bromofluorobenzene (PID 92.9 % 71.5-134 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS Recovery True Value QC RPD Chloride 80.0 16.0 12/03/2024 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS Recovery True Value QC RPD GRO C6-C10* < 10.0 10.0 12/02/2024 ND 180 89.9 200 6.72 DRO >C10-C28* 67.8 10.0 12/02/2024 ND 171 85.4 200 7.46 EXT DRO >C28-C36 29.8 10.0 12/02/2024 ND	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene* < 0.050	Benzene*	<0.050	0.050	12/02/2024	ND	1.99	99.3	2.00	3.75	
Total Xylenes* <0.150 0.150 12/02/2024 ND 5.63 93.9 6.00 11.8 Total BTEX <0.300	Toluene*	<0.050	0.050	12/02/2024	ND	1.90	95.2	2.00	7.40	
Total BTEX	Ethylbenzene*	<0.050	0.050	12/02/2024	ND	1.90	94.8	2.00	10.6	
Surrogate: 4-Bromofluorobenzene (PID 92.9 % 71.5-134 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed By: AC Chloride 80.0 16.0 12/03/2024 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Analyzed By: MS True Value QC RPD GRO C6-C10* Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Total Xylenes*	<0.150	0.150	12/02/2024	ND	5.63	93.9	6.00	11.8	
Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Reporting Limit Analyzed ND 432 108 400 0.00 Chloride 80.0 16.0 12/03/2024 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 12/02/2024 ND 180 89.9 200 6.72	Total BTEX	<0.300	0.300	12/02/2024	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 80.0 16.0 12/03/2024 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 12/02/2024 ND 180 89.9 200 6.72 DRO >C10-C28* 67.8 10.0 12/02/2024 ND 171 85.4 200 7.46 EXT DRO >C28-C36 29.8 10.0 12/02/2024 ND	Surrogate: 4-Bromofluorobenzene (PID	92.9	% 71.5-13	4						
Chloride 80.0 16.0 12/03/2024 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Chloride, SM4500CI-B	mg/	/kg	Analyze	Analyzed By: AC					
TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 12/02/2024 ND 180 89.9 200 6.72 DRO >C10-C28* 67.8 10.0 12/02/2024 ND 171 85.4 200 7.46 EXT DRO >C28-C36 29.8 10.0 12/02/2024 ND	Chloride	80.0	16.0	12/03/2024	ND	432	108	400	0.00	
GRO C6-C10* <10.0 10.0 12/02/2024 ND 180 89.9 200 6.72 DRO >C10-C28* 67.8 10.0 12/02/2024 ND 171 85.4 200 7.46 EXT DRO >C28-C36 29.8 10.0 12/02/2024 ND	TPH 8015M	mg/	/kg	Analyze	d By: MS					
DRO >C10-C28* 67.8 10.0 12/02/2024 ND 171 85.4 200 7.46 EXT DRO >C28-C36 29.8 10.0 12/02/2024 ND	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 29.8 10.0 12/02/2024 ND	GRO C6-C10*	<10.0	10.0	12/02/2024	ND	180	89.9	200	6.72	
	DRO >C10-C28*	67.8	10.0	12/02/2024	ND	171	85.4	200	7.46	
Surrogate: 1-Chlorooctane 101 % 48.2-134	EXT DRO >C28-C36	29.8	10.0	12/02/2024	ND					
	Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						

Analyzed By: JH

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Celey D. Frena

Surrogate: 1-Chlorooctadecane



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/27/2024 Reported: 12/05/2024

Project Name: HOGNOSE VIPER 23 FED 1H

95.2 %

49.1-148

Project Number: KH247059

Project Location: DEVON

Sampling Date: 11/25/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: DSH - 04 0-0.5' (H247280-04)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2024	ND	1.99	99.3	2.00	3.75	
Toluene*	<0.050	0.050	12/02/2024	ND	1.90	95.2	2.00	7.40	
Ethylbenzene*	<0.050	0.050	12/02/2024	ND	1.90	94.8	2.00	10.6	
Total Xylenes*	<0.150	0.150	12/02/2024	ND	5.63	93.9	6.00	11.8	
Total BTEX	<0.300	0.300	12/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/03/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2024	ND	180	89.9	200	6.72	
DRO >C10-C28*	<10.0	10.0	12/02/2024	ND	171	85.4	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	12/02/2024	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						

Analyzed By: JH

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Celey D. Freme

Surrogate: 1-Chlorooctadecane



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/27/2024

Reported: 12/05/2024

Project Name: HOGNOSE VIPER 23 FED 1H

Project Number: KH247059
Project Location: DEVON

Sampling Date: 11/25/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: DSH - 05 0-0.5' (H247280-05)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2024	ND	1.99	99.3	2.00	3.75	
Toluene*	<0.050	0.050	12/02/2024	ND	1.90	95.2	2.00	7.40	
Ethylbenzene*	<0.050	0.050	12/02/2024	ND	1.90	94.8	2.00	10.6	
Total Xylenes*	<0.150	0.150	12/02/2024	ND	5.63	93.9	6.00	11.8	
Total BTEX	<0.300	0.300	12/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/03/2024	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2024	ND	180	89.9	200	6.72	
DRO >C10-C28*	<10.0	10.0	12/02/2024	ND	171	85.4	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	12/02/2024	ND					
Surrogate: 1-Chlorooctane	102 % 48.2-13-		4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keens



11/25/2024

Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/27/2024 Sampling Date:

Reported: 12/05/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact
Project Number: KH247059 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: DEVON

Sample ID: DSH - 06 0-0.5' (H247280-06)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2024	ND	1.99	99.3	2.00	3.75	
Toluene*	<0.050	0.050	12/02/2024	ND	1.90	95.2	2.00	7.40	
Ethylbenzene*	<0.050	0.050	12/02/2024	ND	1.90	94.8	2.00	10.6	
Total Xylenes*	<0.150	0.150	12/02/2024	ND	5.63	93.9	6.00	11.8	
Total BTEX	<0.300	0.300	12/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	12/03/2024	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2024	ND	180	89.9	200	6.72	
DRO >C10-C28*	<10.0	10.0	12/02/2024	ND	171	85.4	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	12/02/2024	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.3								

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Celley D. Freene



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/27/2024 Sampling Date: 11/25/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact
Project Number: KH247059 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: DEVON

Sample ID: DSH - 07 0-0.5' (H247280-07)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2024	ND	1.99	99.3	2.00	3.75	
Toluene*	<0.050	0.050	12/02/2024	ND	1.90	95.2	2.00	7.40	
Ethylbenzene*	<0.050	0.050	12/02/2024	ND	1.90	94.8	2.00	10.6	
Total Xylenes*	<0.150	0.150	12/02/2024	ND	5.63	93.9	6.00	11.8	
Total BTEX	<0.300	0.300	12/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/03/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2024	ND	180	89.9	200	6.72	
DRO >C10-C28*	<10.0	10.0	12/02/2024	ND	171	85.4	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	12/02/2024	ND					
Surrogate: 1-Chlorooctane	92.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.7	% 49.1-14	8						
Surrogaie: 1-Chiorooctaaecane	/8./	% 49.1 - 14	δ						

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Celey & Keine



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/27/2024 Sampling Date: 11/25/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact
Project Number: KH247059 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: DEVON

Sample ID: DSH - 08 0-0.5' (H247280-08)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2024	ND	1.99	99.3	2.00	3.75	
Toluene*	<0.050	0.050	12/02/2024	ND	1.90	95.2	2.00	7.40	
Ethylbenzene*	<0.050	0.050	12/02/2024	ND	1.90	94.8	2.00	10.6	
Total Xylenes*	<0.150	0.150	12/02/2024	ND	5.63	93.9	6.00	11.8	
Total BTEX	<0.300	0.300	12/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	12/03/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2024	ND	202	101	200	0.167	
DRO >C10-C28*	<10.0	10.0	12/02/2024	ND	199	99.4	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	12/02/2024	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.8	% 49.1-14	8						

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Celey & Kuna



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/27/2024 Sampling Date: 11/25/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact
Project Number: KH247059 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: DEVON

Sample ID: DSH - 09 0-0.5' (H247280-09)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2024	ND	1.99	99.3	2.00	3.75	
Toluene*	<0.050	0.050	12/03/2024	ND	1.90	95.2	2.00	7.40	
Ethylbenzene*	<0.050	0.050	12/03/2024	ND	1.90	94.8	2.00	10.6	
Total Xylenes*	<0.150	0.150	12/03/2024	ND	5.63	93.9	6.00	11.8	
Total BTEX	<0.300	0.300	12/03/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/03/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2024	ND	202	101	200	0.167	
DRO >C10-C28*	<10.0	10.0	12/02/2024	ND	199	99.4	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	12/02/2024	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/27/2024 Sampling Date: 11/25/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact
Project Number: KH247059 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: DEVON

Sample ID: DSH - 10 0-0.5' (H247280-10)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2024	ND	1.99	99.3	2.00	3.75	
Toluene*	<0.050	0.050	12/03/2024	ND	1.90	95.2	2.00	7.40	
Ethylbenzene*	<0.050	0.050	12/03/2024	ND	1.90	94.8	2.00	10.6	
Total Xylenes*	<0.150	0.150	12/03/2024	ND	5.63	93.9	6.00	11.8	
Total BTEX	<0.300	0.300	12/03/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/03/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2024	ND	202	101	200	0.167	
DRO >C10-C28*	<10.0	10.0	12/02/2024	ND	199	99.4	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	12/02/2024	ND					
Surrogate: 1-Chlorooctane	105 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/27/2024 Sampling Date: 11/25/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact
Project Number: KH247059 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: DEVON

Sample ID: DSH - 11 0-0.5' (H247280-11)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2024	ND	1.99	99.3	2.00	3.75	
Toluene*	<0.050	0.050	12/03/2024	ND	1.90	95.2	2.00	7.40	
Ethylbenzene*	<0.050	0.050	12/03/2024	ND	1.90	94.8	2.00	10.6	
Total Xylenes*	<0.150	0.150	12/03/2024	ND	5.63	93.9	6.00	11.8	
Total BTEX	<0.300	0.300	12/03/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	85.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	12/03/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2024	ND	202	101	200	0.167	
DRO >C10-C28*	<10.0	10.0	12/02/2024	ND	199	99.4	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	12/02/2024	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.2	% 49.1-14	8						

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Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/27/2024 Sampling Date: 11/25/2024

Reported: 12/05/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact Sample Received By: Project Number: KH247059 Alyssa Parras

Project Location: **DEVON**

Sample ID: DSH - 12 0-0.5' (H247280-12)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2024	ND	1.99	99.3	2.00	3.75	
Toluene*	<0.050	0.050	12/03/2024	ND	1.90	95.2	2.00	7.40	
Ethylbenzene*	< 0.050	0.050	12/03/2024	ND	1.90	94.8	2.00	10.6	
Total Xylenes*	<0.150	0.150	12/03/2024	ND	5.63	93.9	6.00	11.8	
Total BTEX	<0.300	0.300	12/03/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/03/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2024	ND	202	101	200	0.167	
DRO >C10-C28*	53.7	10.0	12/02/2024	ND	199	99.4	200	1.94	
EXT DRO >C28-C36	40.3	10.0	12/02/2024	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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Celey D. Freena



Notes and Definitions

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Laboratories 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	FORM-006 R 3.2 10/07/21			Dellered By: (Circle One)		reiniquisned By:	Relinquished D.	1	remindustred by:	Relinquished D.:	consequenti damages, including without limitation, business interruptions, loss of us affiliates or	PLEASE NOTE: Liability and Damages. Cardina	54	><		16	5	1	L	Q	3-	Lab I.D. 14247280			FOR LAB USE ONLY	Sampler Name: Travis Casey	Project Location:	Project Name: Hognose Viper 23 Fed 1H	Project #: KH247059	Phone #: 5756895949	City: Cansbad	Address: 4526 W. Perice Street	Ject manager: I ravis Casey	Project Manager: Tracing
			- Other:							mance of services hereunder by Cards	shall be deen	ady for any claim winter	DSH-09	DSH-08	DSH-07	DSH-06	DSH-05	DSH-04	DSH-03	DSH-02	DSH-01	Sample I.D.				Sey		iper 23 Fed 1H				Street	casey	, 3
		dual paragraph	7.010	Observed Temp	Time:		TimeOau	11-27-24	Date:	ess of whether such claim is based upon any	nd waived unless made in writing and received by Cerdinal within 30 days after contribute to County after contribute to the second by Cerdinal within 30 days after contribute to contribute to contribute to the	\vdash	6	0.5	0.5	0.5	0.5	0.5	0.5	2.0	0 0.5 G	Start End (G)RAB OR	Depth (C)	_				CTOTECT OWNER: Devon	Project O	Fax #:	State: NM			
compression relations. Flease email changes to celey.keene@cardinallabsnm.com	Cardinal cannot accord	Wes A Yes	Sample Condition		,	Received By:	and in		Received By:	y of the above stated reasons or otherwise.	insted to the amount paid by the client for the final within 30 days after completion of the applica-		X		1 × 2		× >		1 h		×	# CONTAINS GROUNDWA WASTEWAT SOIL OIL SLUDGE OTHER:	TER	MATRIX				Devon		- 1	: NM Zin: 88220			
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Laboratories 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	FORM-006 R 3.2 10/07/21		Sampler - UPS - Bus - Other	Deliered By: (Circle One)		Relinquished By:		Kelinquished By:	listing or successors whiring out of or related to the perfor	wiyees. All claims including these for negligence and any other cause whate neequental damages, including without limitation, business interruptions, loss	PLEASE NOTE: Liability and Damages, Cardina's fac							13	11	H247280	2		FOR LAB USE ONLY	Sampler Name: Travis Casey	Project Location:	Project Name: Hognose Viper 23 Fed 1H	Project #: KH247059	Phone #: 5756895949	City: Carlsbad	Address: 4526 W. Perice Street	Project Manager: Travis Casey
										for mySpinces and any other creates whatever smaller have dearm artising whether hased in contract or fort, that be limited to the amount paid though which exists and includes whatever shall be dissemed watered unless made in writing and received by Cardinal within 30 days after	THE VALUE CHEST AND ADDRESS OF THE PARTY AND A							DSH-12	DSH-11		Sample ID					r 23 Fed 1H				reet	sey
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December 09, 2024

TRAVIS CASEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: HOGNOSE VIPER 23 FED 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/03/24 14:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keena

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



12/02/2024

Soil

Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 12/03/2024 Sampling Date: Reported: 12/09/2024 Sampling Type:

mg/kg

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition:

Cool & Intact Project Number: KH247059 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON

Sample ID: DSV - 01 0.5' (H247350-01)

BTEX 8021B

BIEX GOEED	9/	9	Anaryzo	a 2 y : 3 : 1					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2024	ND	2.11	105	2.00	4.03	
Toluene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	2.66	
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	1.85	
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.11	102	6.00	1.67	
Total BTEX	<0.300	0.300	12/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6880	16.0	12/04/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	101	200	2.41	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	205	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	111 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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Celey D. Freena



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 12/03/2024 Sampling Date: 12/02/2024

Reported: 12/09/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact
Project Number: KH247059 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: DEVON

Sample ID: DSV - 01 3' (H247350-02)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2024	ND	2.11	105	2.00	4.03	
Toluene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	2.66	
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	1.85	
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.11	102	6.00	1.67	
Total BTEX	<0.300	0.300	12/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/04/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	101	200	2.41	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	205	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	85.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 12/03/2024 Sampling Date: 12/02/2024

Reported: 12/09/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact Sample Received By: Project Number: KH247059 Shalyn Rodriguez

Project Location: DEVON

Sample ID: DSV - 02 0.5' (H247350-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2024	ND	2.11	105	2.00	4.03	
Toluene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	2.66	
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.04	102	2.00	1.85	
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.11	102	6.00	1.67	
Total BTEX	<0.300	0.300	12/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	29200	16.0	12/04/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	101	200	2.41	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	205	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127 9	% 49.1-14	8						

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Celley D. Keene



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 12/03/2024 Sampling Date: 12/02/2024

Reported: 12/09/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact Sample Received By: Project Number: KH247059 Shalyn Rodriguez

Project Location: DEVON

Sample ID: DSV - 02 3.5' (H247350-04)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2024	ND	2.27	113	2.00	1.30	
Toluene*	<0.050	0.050	12/05/2024	ND	2.25	113	2.00	0.00604	
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.16	108	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.77	113	6.00	0.849	
Total BTEX	<0.300	0.300	12/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/04/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	101	200	2.41	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	205	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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Celey D. Freena



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 12/03/2024 Sampling Date: 12/02/2024

Reported: 12/09/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact
Project Number: KH247059 Sample Received By: Shalyn Rodriguez

Project Location: DEVON

Sample ID: DSV - 03 0.5' (H247350-05)

BTEX 8021B	mg	/kg	Analyzed By						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2024	ND	2.27	113	2.00	1.30	
Toluene*	<0.050	0.050	12/05/2024	ND	2.25	113	2.00	0.00604	
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.16	108	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.77	113	6.00	0.849	
Total BTEX	<0.300	0.300	12/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9800	16.0	12/04/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	101	200	2.41	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	205	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	111 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	18						

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Celeg D. Keine



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 12/03/2024 Sampling Date: 12/02/2024

Reported: 12/09/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact
Project Number: KH247059 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON

mg/kg

Sample ID: DSV - 03 4' (H247350-06)

BTEX 8021B

DILX GOZID	mg/	ng .	Allulyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2024	ND	2.27	113	2.00	1.30	
Toluene*	<0.050	0.050	12/05/2024	ND	2.25	113	2.00	0.00604	
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.16	108	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.77	113	6.00	0.849	
Total BTEX	<0.300	0.300	12/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/04/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	101	200	2.41	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	205	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celey D. Keens



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 12/03/2024 Sampling Date: 12/02/2024

Reported: 12/09/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact Sample Received By: Project Number: KH247059 Shalyn Rodriguez

Project Location: DEVON

Sample ID: DSV - 04 0.5' (H247350-07)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2024	ND	2.27	113	2.00	1.30	
Toluene*	<0.050	0.050	12/05/2024	ND	2.25	113	2.00	0.00604	
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.16	108	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.77	113	6.00	0.849	
Total BTEX	<0.300	0.300	12/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23800	16.0	12/04/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	101	200	2.41	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	205	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124 9	% 49.1-14	8						

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Celey D. Freena



Analytical Results For:

TERRACON CONSULTANTS TRAVIS CASEY 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 12/03/2024 Sampling Date: 12/02/2024

Reported: 12/09/2024 Sampling Type: Soil

Project Name: HOGNOSE VIPER 23 FED 1H Sampling Condition: Cool & Intact
Project Number: KH247059 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON

Sample ID: DSV - 04 4.5' (H247350-08)

BTEX 8021B

	7								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2024	ND	2.27	113	2.00	1.30	
Toluene*	<0.050	0.050	12/05/2024	ND	2.25	113	2.00	0.00604	
Ethylbenzene*	<0.050	0.050	12/05/2024	ND	2.16	108	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/05/2024	ND	6.77	113	6.00	0.849	
Total BTEX	<0.300	0.300	12/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/04/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2024	ND	203	101	200	2.41	
DRO >C10-C28*	<10.0	10.0	12/04/2024	ND	205	102	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	12/04/2024	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.2	% 49.1-14	8						

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Celey & Kenn



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 F Company Name: Terracon Project Manager: Travis Casey Address: 4526 W. Perice Street City: Carlsbad Phone #: 5756895949	3-2326 FAX (575) 393-2476 Terracon : Travis Casey V. Perice Street 5949	State: NM Fax #: Project Owner: Dev	NM Zip: 88220	19220			P.O. #: Company: Devon Attn: Jim Raley Address: City:	P.O. #: Company: Devon Attn: Jim Raley Address: City:	P.O. #: Company: Devon Attn: Jim Raley Address: City:
9		t Owner:	evon		City:	City:	955:	955:	955:
Project Name: Hognose Viper 23 Fed 1H	per 23 Fed 1H				State:	State:			3500
Project Location:					Phone #:	Phone #:	H	n od4	od4
Sampler Name: Travis Casey	ey	-			Fax #:	Vene	SAMPI ING	SAMPI ING	etho
FOR LAB USE ONLY		M	MATRIX		PRESERV.	PRESERV. SAMPLING	SAMPLING	SAMPLING	Me 80
he.9.el a	,		WATER				OL	OL e (EPA	OL e (EPA ended
Lab I.D.	oanipie	Start End G)RAB C	# CONTA GROUND WASTEV SOIL OIL SLUDGE		OTHER : ACID/BA ICE / CO OTHER :	OTHER : ACID/BA ICE / CO	OTHER: ACID/BA ICE / CO OTHER: DATE	OTHER: ACID/BA ICE / CO OTHER: DATE	OTHER: ACID/BA ICE / CO OTHER: DATE
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	DSV-01	\rightarrow		Н			12/2/2024 10:30	12/2/2024 10:30	12/2/2024 10:30 X
\s\ \cdots	DSV-02	0.5 G	1 ×	\vdash			12/2/2024	12/2/2024	12/2/2024 11:15 X
h di	DSV-02	+	Ė	+	< ×	X 12/2/2024	1	12/2/2024 11:55	12/2/2024 11:40
25	DSV-03	0.5	× >	+		1	12/2/2024	12/2/2024 12:30	12/2/2024 12:30 X
0 X	DSV-03	05.0	1 ×	+			12/2/2024	12/2/2024	12/2/2024 12:50 X
19	DSV-04	\rightarrow		-				12/2/2024	12/2/2024 13:20
2000	54	+		-					
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analyses. As casms including show to impyre a memory consequental damages, including without limitation, business inter- affiliates or successors arising out of or inlated to the performance	a interruptions, loss of use, or loss of p marks of services hereunder by Cardi	by client, its subsidiaries. Lof whether such claim is based upon any of the above stated rea	uny of the above stated reasons o	commiss	ctherwise.	r cthemise.	rotervise	r citierwise.	rotherwise.
Relinquished By:		Date:	Received By:				Verbal Resu	Verbal Result:	Verbal Result: ☐ Yes ☐ No Add'i Phone #:
	SA A	13.3.24	880	D	deigne	rex	rex	rex	All Results are emailed. Please provide Chiair advances.
Relinquished By:		Date:	Received By:				REMARKS: joesph.guesnier@ beckysue.miller@	REMARKS: coesph.guesnier@terracor beckysue.miller@terracor	REMARKS: joesph. guesnier@terracon.com;travis.casey@terracon.com;chuck.smith@terracon.com; beckysue.miller@terracon.com gus.sanchez@terracon.com
		Time:					(Initials)		
Deliered By: (Circle One)		Observed Temp	Samp		CHECKE		dition	(Initials)	(Initials)
Sampler - UPS - Bus	- Other:	Corrected Temp.	The state of	Cond		Condition CHECKED BY: (Initials)	1481	CHECKED BY: (Initials)	CHECKED BY: (Initials) Turnaround Time: Standar
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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Chuck Smith Terracon Consulting Eng & Scientists 5847 50th St Lubbock, Texas 79424

Generated 6/30/2025 8:48:48 AM

JOB DESCRIPTION

Hognose Viper 23 Fed 1H KH247059

JOB NUMBER

820-19526-1

Eurofins Lubbock 6701 Aberdeen Ave. Suite 8 Lubbock TX 79424

Eurofins Lubbock

Job Notes

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Authorization

Generated 6/30/2025 8:48:48 AM

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

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Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H Laboratory Job ID: 820-19526-1 SDG: KH247059

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists Job ID: 820-19526-1 Project/Site: Hognose Viper 23 Fed 1H SDG: KH247059

Qualifiers

GC VOA

Qualifier **Qualifier Description** F1 MS and/or MSD recovery exceeds control limits. S1+ Surrogate recovery exceeds control limits, high biased. U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description** *1 LCS/LCSD RPD exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

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 Colony Forming Unit **CFU** Contains No Free Liquid CNF

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)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MI 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

Practical Quantitation Limit PQL

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: Hognose Viper 23 Fed 1H

Job ID: 820-19526-1

Eurofins Lubbock Job ID: 820-19526-1

Job Narrative 820-19526-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 6/23/2025 12:07 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-112847 and analytical batch 880-112842 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-112847 and analytical batch 880-112842 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 880-112934 and analytical batch 880-112978 was outside the upper control limits.

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

Diesel Range Organics

Method 8015MOD NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-112940 and analytical batch 880-113145 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113003 and analytical batch 880-113081 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 300 ORGFM 28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113000 and analytical batch 880-113076 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.

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

Eurofins Lubbock

6/30/2025

Client Sample Results

Client: Terracon Consulting Eng & Scientists Job ID: 820-19526-1 Project/Site: Hognose Viper 23 Fed 1H SDG: KH247059

Client Sample ID: CFS-1 (1.0'-1.5')

Date Collected: 06/20/25 10:36 Date Received: 06/23/25 12:07

Lab Sample ID: 820-19526-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 16:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 16:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 16:29	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		06/24/25 15:02	06/25/25 16:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 16:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/24/25 15:02	06/25/25 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				06/24/25 15:02	06/25/25 16:29	1
1,4-Difluorobenzene (Surr)	108		70 - 130				06/24/25 15:02	06/25/25 16:29	1

Total BTEX <0.00399 U 0.00399 mg/Kg 06/25/25 16:29

Method: SW846 8015 NM - Die	sel Range (Organics (I	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		ma/Ka			06/26/25 12:27	

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		06/24/25 15:31	06/26/25 12:27	1
Diesel Range Organics (Over	<50.0	U *1	50.0		mg/Kg		06/24/25 15:31	06/26/25 12:27	1
C10-C28) Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/25 15:31	06/26/25 12:27	1
3	0/5	0 1767					5	A t t	D'' E

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130	06/24/25 15:31	06/26/25 12:27	1
o-Terphenyl (Surr)	92		70 - 130	06/24/25 15:31	06/26/25 12:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	399	F1	10.1		mg/Kg			06/26/25 00:38	1

Client Sample ID: CFS-2 (1.0'-1.5')

Lab Sample ID: 820-19526-2 Date Collected: 06/20/25 10:40 Matrix: Solid

Date Received: 06/23/25 12:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/24/25 15:02	06/25/25 16:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/24/25 15:02	06/25/25 16:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/24/25 15:02	06/25/25 16:50	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/24/25 15:02	06/25/25 16:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/24/25 15:02	06/25/25 16:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/24/25 15:02	06/25/25 16:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				06/24/25 15:02	06/25/25 16:50	1
1.4-Difluorobenzene (Surr)	105		70 - 130				06/24/25 15:02	06/25/25 16:50	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists Job ID: 820-19526-1 Project/Site: Hognose Viper 23 Fed 1H SDG: KH247059

Client Sample ID: CFS-2 (1.0'-1.5')

Date Collected: 06/20/25 10:40 Date Received: 06/23/25 12:07

Lab Sample ID: 820-19526-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/25/25 16:50	1

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

Analyte	Result	Qualifier	RL	MDL U	nit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	m	g/Kg	_		06/26/25 13:12	1

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		06/24/25 15:31	06/26/25 13:12	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U *1	49.9	mg/Kg		06/24/25 15:31	06/26/25 13:12	1
C10-C28)								
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/24/25 15:31	06/26/25 13:12	1
Surrogate	%Recovery	Qualifier	l imits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Anaiyzea	DII Fac
1-Chlorooctane (Surr)	83	70 - 130	06/24/25 15:31	06/26/25 13:12	1
o-Terphenyl (Surr)	91	70 - 130	06/24/25 15:31	06/26/25 13:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1480		9.92	mg/Kg			06/26/25 00:55	1

Client Sample ID: CFS-3 (1.0'-1.5')

Lab Sample ID: 820-19526-3 Date Collected: 06/20/25 10:45 **Matrix: Solid**

Date Received: 06/23/25 12:07

Released to Imaging: 9/15/2025 3:50:35 PM

Analyte	Result	Qualifier	RL	MDL U	nit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	m	ıg/Kg		06/24/25 15:02	06/25/25 17:10	1
Toluene	<0.00202	U	0.00202	m	ıg/Kg		06/24/25 15:02	06/25/25 17:10	1
Ethylbenzene	< 0.00202	U	0.00202	m	ıg/Kg		06/24/25 15:02	06/25/25 17:10	1
m,p-Xylenes	<0.00404	U	0.00404	m	ıg/Kg		06/24/25 15:02	06/25/25 17:10	1
o-Xylene	< 0.00202	U	0.00202	m	ıg/Kg		06/24/25 15:02	06/25/25 17:10	1
Xylenes, Total	<0.00404	U	0.00404	m	ıg/Kg		06/24/25 15:02	06/25/25 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				06/24/25 15:02	06/25/25 17:10	1
1.4-Difluorobenzene (Surr)	105		70 - 130				06/24/25 15:02	06/25/25 17:10	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00404	U	0.00404		ma/Ka			06/25/25 17:10	1

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

Amalista		_		MDI IInii	 Duamanad	A a l a al	Dil Faa
Analyte	Result	Qualifier	RL	MDL Unit	 Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg		06/26/25 13:27	1

н			
П	Method: SW846 8015B	NM Discal Banga	Organica (DDO) (CC)
-1	I WELLIOO SWAAN AU ISD	NIVI - LIJESEL KALICE	CHOATICS HIRCH HALL

Wethod: 5W846 8U15B NW - I	Diesei Range Organics (i	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		06/24/25 15:31	06/26/25 13:27	1
Diesel Range Organics (Over C10-C28)	<50.0 U *1	50.0	mg/Kg		06/24/25 15:31	06/26/25 13:27	1

 $\frac{1}{2}$

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19526-1 SDG: KH247059

ODO. N11247 009

Client Sample ID: CFS-3 (1.0'-1.5')

Date Collected: 06/20/25 10:45

Lab Sample ID: 820-19526-3 Matrix: Solid

Date Received: 06/23/25 12:07

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/25 15:31	06/26/25 13:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130			06/24/25 15:31	06/26/25 13:27	1
o-Terphenyl (Surr)	93		70 - 130			06/24/25 15:31	06/26/25 13:27	1

Method: EPA 300.0 - Anions, Id	on Chromat	tography - S	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	262		9.96		mg/Kg			06/26/25 01:01	1

Client Sample ID: CFS-4 (1.0'-1.5')

Date Collected: 06/20/25 10:50 Date Received: 06/23/25 12:07

Total BTEX

Lab Sample ID: 820-19526-4

06/25/25 17:30

Matrix: Solid

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

<0.00396 U

Method: SW846 8021B - Vo	olatile Organic	Compoun	ds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/24/25 15:02	06/25/25 17:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/24/25 15:02	06/25/25 17:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/24/25 15:02	06/25/25 17:30	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		06/24/25 15:02	06/25/25 17:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/24/25 15:02	06/25/25 17:30	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/24/25 15:02	06/25/25 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				06/24/25 15:02	06/25/25 17:30	1
1.4-Difluorobenzene (Surr)	109		70 - 130				06/24/25 15:02	06/25/25 17:30	1

Analyte	Result	Qualifier	RL MDL	Unit D	Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX -	Total BTE	(Calculation					
1,4-Difluorobenzene (Surr)	109	70 - 1	130		06/24/25 15:02	06/25/25 17:30	1
4-Bromofluorobenzene (Surr)	108	70 - 1	130		06/24/25 15:02	06/25/25 17:30	1

Method: SW846 8015 NM - Die	sel Range Organics (DRO) (GC)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7 U	49.7	mg/Kg			06/26/25 13:42	1

0.00396

mg/Kg

iotal II II	00/20/20 10.42
Method: SW846 8015B NM -	
Analyte	d Analyzed Dil Fac
Gasoline Range Organics (GRO)-C6-C10	i:31 06/26/25 13:42
Diesel Range Organics (Over C10-C28)	5:31 06/26/25 13:42
Oil Range Organics (Over C28-C36)	5:31 06/26/25 13:42
Surrogate	d Analyzed Dil Fa
1-Chlorooctane (Surr)	5:31 06/26/25 13:42
o-Terphenyl (Surr)	5:31 06/26/25 13:42
` '	

Method: EPA 300.0 - Anions, Id	on Chromatography - S	oluble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186	9.92	mg/Kg			06/26/25 01:06	1

Client: Terracon Consulting Eng & Scientists

Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19526-1

SDG: KH247059

Client Sample ID: CFS-5 (1.0'-1.5')

Date Collected: 06/20/25 10:55 Date Received: 06/23/25 12:07 Lab Sample ID: 820-19526-5

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 17:51	1
Toluene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 17:51	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 17:51	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/24/25 15:02	06/25/25 17:51	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 17:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/25 15:02	06/25/25 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				06/24/25 15:02	06/25/25 17:51	1
1,4-Difluorobenzene (Surr)	109		70 - 130				06/24/25 15:02	06/25/25 17:51	1
Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/25 17:51	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			06/26/25 13:58	

Method: SW846 8015B NM - D	Diesel Range	e 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		06/24/25 15:31	06/26/25 13:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		06/24/25 15:31	06/26/25 13:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/24/25 15:31	06/26/25 13:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130				06/24/25 15:31	06/26/25 13:58	1
o-Terphenvl (Surr)	94		70 - 130				06/24/25 15:31	06/26/25 13:58	1

Method: EPA 300.0 - Anions, Id	on Chromat	ography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	198		10.0		mg/Kg			06/26/25 01:12	1

Client Sample ID: CFS-6 (1.0'-1.5')

Date Collected: 06/20/25 11:00

Date Received: 06/23/25 12:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/24/25 15:02	06/25/25 18:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/24/25 15:02	06/25/25 18:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/24/25 15:02	06/25/25 18:11	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		06/24/25 15:02	06/25/25 18:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/24/25 15:02	06/25/25 18:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/24/25 15:02	06/25/25 18:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				06/24/25 15:02	06/25/25 18:11	1
1,4-Difluorobenzene (Surr)	106		70 - 130				06/24/25 15:02	06/25/25 18:11	1

Eurofins Lubbock

Matrix: Solid

Lab Sample ID: 820-19526-6

2

3

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0

10

12

13

Client Sample ID: CFS-6 (1.0'-1.5')

Method: TAL SOP Total BTEX - Total BTEX Calculation

Date Collected: 06/20/25 11:00 Date Received: 06/23/25 12:07 Lab Sample ID: 820-19526-6

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/25/25 18:11	1
- Method: SW846 8015 NM - Dies	el Range	Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/26/25 14:13	1
Method: SW846 8015B NM - Die Analyte			, , ,						
	Resuit	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0		RL 50.0	MDL	Unit mg/Kg	<u>D</u>	Prepared 06/24/25 15:31	Analyzed 06/26/25 14:13	Dil Fac
Gasoline Range Organics				MDL		<u>D</u>			Dil Fac
		U		MDL		<u>D</u>			Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	MDL	mg/Kg	<u>D</u>	06/24/25 15:31	06/26/25 14:13	Dil Fac

o-Terphenyl (Surr)	86	70 - 130		(10/24/25 15:31	06/26/25 14:13	7	
Method: EPA 300.0 - Anions, Ion		Oluble	MDI IInit	_	Duamanad	A a l a al	D:: F	
Analyte	Result Qualifier	RL	MDL Unit	ט	Prepared	Analvzed	Dil Fac	

9.94

mg/Kg

Limits

70 - 130

%Recovery Qualifier

80

863

Client Sample ID: CFS-7 (1.0'-1.5')

Date Collected: 06/20/25 11:05

Surrogate

Chloride

1-Chlorooctane (Surr)

Date Received: 06/23/25 12:07

Analyzed

06/26/25 01:29

Prepared

06/24/25 15:31 06/26/25 14:13

Matrix: Solid

Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/24/25 15:02	06/25/25 18:32	1
Toluene	< 0.00201	U	0.00201		mg/Kg		06/24/25 15:02	06/25/25 18:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/24/25 15:02	06/25/25 18:32	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/24/25 15:02	06/25/25 18:32	1
o-Xylene	< 0.00201	U	0.00201		mg/Kg		06/24/25 15:02	06/25/25 18:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/24/25 15:02	06/25/25 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				06/24/25 15:02	06/25/25 18:32	1
1 1 Diffusionana (Curry)	110		70 400				06/04/05 45:00	06/25/25 18:32	1
Method: TAL SOP Total B1	EX - Total BTE								
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BT Analyte Total BTEX	EX - Total BTE	Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 06/25/25 18:32	,
Method: TAL SOP Total BT Analyte Total BTEX	TEX - Total BTE Result <0.00402	Qualifier U	ion RL 0.00402	MDL		<u>D</u>		Analyzed	·
Method: TAL SOP Total B1 Analyte	TEX - Total BTE Result <0.00402 Diesel Range	Qualifier U	ion RL 0.00402	MDL MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte	TEX - Total BTE Result <0.00402 Diesel Range	Qualifier U Organics (Qualifier	ion RL 0.00402 DRO) (GC)		mg/Kg	=	Prepared	Analyzed 06/25/25 18:32	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH	TEX - Total BTE Result <0.00402 Diesel Range Result <49.8	Qualifier U Organics (Qualifier U	ion RL 0.00402 DRO) (GC) RL 49.8		mg/Kg Unit	=	Prepared	Analyzed 06/25/25 18:32 Analyzed	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH Method: SW846 8015B NM	TEX - Total BTE Result <0.00402 Diesel Range Result <49.8 I - Diesel Range	Qualifier U Organics (Qualifier U	ion RL 0.00402 DRO) (GC) RL 49.8		mg/Kg Unit mg/Kg	=	Prepared	Analyzed 06/25/25 18:32 Analyzed	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM -	TEX - Total BTE Result <0.00402 Diesel Range Result <49.8 I - Diesel Range	Qualifier U Organics (Qualifier U Organics Qualifier U	ion RL 0.00402 DRO) (GC) RL 49.8 (DRO) (GC)	MDL	mg/Kg Unit mg/Kg	<u></u>	Prepared Prepared	Analyzed 06/25/25 18:32 Analyzed 06/26/25 14:28	Dil Fac

Client Sample ID: CFS-7 (1.0'-1.5')

Date Collected: 06/20/25 11:05

Lab Sample ID: 820-19526-7 **Matrix: Solid**

Date Received: 06/23/25 12:07

Method: SW846 8015B NM - I	Diesel Range Or	rganics (DRO) (GC)	(Continued)			
Analyte	Result Qu	alifier RL	MDL Unit	D Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8 U	49.8	mg/Kg	06/24/25 15:31	06/26/25 14:28	1
Surrogate	%Recovery Qu	alifier Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83	70 - 130		06/24/25 15:31	06/26/25 14:28	1
o-Terphenyl (Surr)	90	70 - 130		06/24/25 15:31	06/26/25 14:28	1
_						

Method: EPA 300.0 - Anions, Id	on Chromat	ography - S	oluble						
Analyte	Result	Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac
Chloride	213		9.92	r	mg/Kg			06/26/25 01:35	1

Client Sample ID: CFS-8 (1.0'-1.5')

Date Collected: 06/20/25 11:10 Date Received: 06/23/25 12:07

Lab Sample ID: 820-19526-8

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/24/25 15:02	06/25/25 18:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/24/25 15:02	06/25/25 18:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/24/25 15:02	06/25/25 18:52	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		06/24/25 15:02	06/25/25 18:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/24/25 15:02	06/25/25 18:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/24/25 15:02	06/25/25 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				06/24/25 15:02	06/25/25 18:52	1
1,4-Difluorobenzene (Surr)	106		70 - 130				06/24/25 15:02	06/25/25 18:52	1

T / LTDU	10.0		40.0		11.6			00/00/05 44 40		
Analyte	Result	Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac	
Method: SW846 8015 NM - Die	sel Range (Organics (I	ORO) (GC)							
Total BTEX	<0.00402	U	0.00402	n	ng/Kg			06/25/25 18:52	1	

Total TPH -	<49.9	U	49.9		mg/Kg			06/26/25 14:43	1
- Method: SW846 8015B NM - D	Diesel Range	e 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		06/24/25 15:31	06/26/25 14:43	
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		06/24/25 15:31	06/26/25 14:43	,
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/25 15:31	06/26/25 14:43	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	84		70 - 130				06/24/25 15:31	06/26/25 14:43	-
o-Terphenyl (Surr)	92		70 - 130				06/24/25 15:31	06/26/25 14:43	

Method: EPA 300.0 - Anions, Id	on Chromatography - S	oluble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	789	9.94	mg/Kg			06/26/25 01:40	1

SDG: KH247059

Lab Sample ID: 820-19526-9

Matrix: Solid

Date Collected: 06/20/25 11:15 Date Received: 06/23/25 12:07

Client Sample ID: CFS-9 (1.0'-1.5')

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 19:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 19:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 19:13	1
m,p-Xylenes	< 0.00399	U	0.00399		mg/Kg		06/24/25 15:02	06/25/25 19:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 19:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/24/25 15:02	06/25/25 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				06/24/25 15:02	06/25/25 19:13	-
1,4-Difluorobenzene (Surr)	110		70 - 130				06/24/25 15:02	06/25/25 19:13	1
Method: TAL SOP Total BTEX	(- Total BTE	X Calculat	tion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/25/25 19:13	1
Method: SW846 8015 NM - Di Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7		49.7		mg/Kg	_ =	Tropurcu	06/26/25 14:58	7
: Method: SW846 8015B NM - [Diesel Range	Organics	(DRO) (GC)						
Analyte	_	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	<u> </u>	49.7		mg/Kg	_ =	06/24/25 15:31	06/26/25 14:58	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		06/24/25 15:31	06/26/25 14:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/24/25 15:31	06/26/25 14:58	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1 Chlaracatana (Curr)	81		70 - 130				06/24/25 15:31	06/26/25 14:58	
1-Chioroociane (Surr)			70 400				06/24/25 15:31	06/26/25 14:59	
, ,	89		70 - 130				00/24/20 10.51	00/20/23 14.30	,
1-Chlorooctane (Surr) o-Terphenyl (Surr) Method: EPA 300.0 - Anions,		tography -					00/24/23 10.31	00/20/23 14.38	,

Client Sample ID: CFS-10 (1.0'-1.5') Lab Sample ID: 820-19526-10 Date Collected: 06/20/25 11:20 Matrix: Solid

9.96

mg/Kg

653

Date Received: 06/23/25 12:07

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 19:33	1
Toluene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 19:33	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 19:33	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/24/25 15:02	06/25/25 19:33	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 19:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/25 15:02	06/25/25 19:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119	·	70 - 130				06/24/25 15:02	06/25/25 19:33	1
1,4-Difluorobenzene (Surr)	104		70 - 130				06/24/25 15:02	06/25/25 19:33	1

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06/26/25 01:46

Client Sample ID: CFS-10 (1.0'-1.5')

Lab Sample ID: 820-19526-10

Date Collected: 06/20/25 11:20 Matrix: Solid Date Received: 06/23/25 12:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/25 19:33	1
Method: SW846 8015 NM - Di	esel Range (Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/26/25 15:13	1
Method: SW846 8015B NM - D Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
		_		MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared 06/24/25 15:31	Analyzed 06/26/25 15:13	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0	Qualifier U	RL 50.0	MDL	mg/Kg	<u>D</u>	06/24/25 15:31	06/26/25 15:13	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL	MDL		<u>D</u>		06/26/25 15:13	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0	Qualifier U U *1	RL 50.0	MDL	mg/Kg	<u>D</u>	06/24/25 15:31	06/26/25 15:13	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U U *1 U	50.0 50.0	MDL	mg/Kg	<u> </u>	06/24/25 15:31 06/24/25 15:31	06/26/25 15:13 06/26/25 15:13	Dil Fac 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<pre></pre>	Qualifier U U *1 U	50.0 50.0 50.0	MDL	mg/Kg	<u>D</u>	06/24/25 15:31 06/24/25 15:31 06/24/25 15:31	06/26/25 15:13 06/26/25 15:13 06/26/25 15:13	1 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Į	Chloride	448		9.92		mg/Kg			06/26/25 01:52	1

Lab Sample ID: 820-19526-11 **Client Sample ID: CFS-11 (1.0'-1.5')** Date Collected: 06/20/25 11:25 **Matrix: Solid**

Date Received: 06/23/25 12:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 21:23	1
Toluene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 21:23	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 21:23	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/24/25 15:02	06/25/25 21:23	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 21:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/25 15:02	06/25/25 21:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				06/24/25 15:02	06/25/25 21:23	1
1 1 Diffusionahamana (Cum)	96		70 400				00/04/05 45:00	06/25/25 21:23	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BT		X Calculat	70 - 130 ion				06/24/25 15:02	00/23/23 21.23	ı
-	EX - Total BTE	X Calculat Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BT	EX - Total BTE	Qualifier	ion	MDL	Unit mg/Kg	<u>D</u>			
Method: TAL SOP Total BT Analyte Total BTEX	TEX - Total BTE Result <0.00398	Qualifier U	ion RL 0.00398	MDL		<u>D</u>		Analyzed	
Method: TAL SOP Total BT Analyte	TEX - Total BTE Result <0.00398 Diesel Range 0	Qualifier U	ion RL 0.00398			<u>D</u>		Analyzed	
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM -	TEX - Total BTE Result <0.00398 Diesel Range 0	Qualifier U Organics (Qualifier	ion RL 0.00398		mg/Kg	_ =	Prepared	Analyzed 06/25/25 21:23	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH	EX - Total BTE Result <0.00398 Diesel Range Result <49.8	Qualifier U Organics (Qualifier U	RL 0.00398 DRO) (GC) RL 49.8		mg/Kg Unit	_ =	Prepared	Analyzed 06/25/25 21:23 Analyzed	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte	EX - Total BTE Result <0.00398 Diesel Range Result <49.8 - Diesel Range	Qualifier U Organics (Qualifier U	RL 0.00398 DRO) (GC) RL 49.8	MDL	mg/Kg Unit	_ =	Prepared	Analyzed 06/25/25 21:23 Analyzed	Dil Fac
Method: TAL SOP Total BT Analyte Total BTEX Method: SW846 8015 NM - Analyte Total TPH Method: SW846 8015B NM	EX - Total BTE Result <0.00398 Diesel Range Result <49.8 - Diesel Range	Qualifier U Organics (Qualifier U Organics (Qualifier U	DRO) (GC) RL 49.8 (DRO) (GC)	MDL	mg/Kg Unit mg/Kg	<u></u> <u>D</u>	Prepared Prepared	Analyzed 06/25/25 21:23 Analyzed 06/26/25 15:44	Dil Fac

Client Sample ID: CFS-11 (1.0'-1.5')

Date Collected: 06/20/25 11:25 Date Received: 06/23/25 12:07

Lab Sample ID: 820-19526-11

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/24/25 15:31	06/26/25 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130				06/24/25 15:31	06/26/25 15:44	1
o-Terphenyl (Surr)	86		70 - 130				06/24/25 15:31	06/26/25 15:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier **MDL** Unit Prepared Analyzed Dil Fac Chloride 712 9.94 06/26/25 01:57 mg/Kg

Client Sample ID: CFS-12 (1.0'-1.5')

Date Collected: 06/20/25 11:30 Date Received: 06/23/25 12:07

Lab Sample ID: 820-19526-12

06/24/25 15:31 06/26/25 15:59

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 21:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 21:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 21:44	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		06/24/25 15:02	06/25/25 21:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 21:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/24/25 15:02	06/25/25 21:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				06/24/25 15:02	06/25/25 21:44	1
1,4-Difluorobenzene (Surr)	100		70 - 130				06/24/25 15:02	06/25/25 21:44	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/25/25 21:44	1
	sel Range (Organics (DRO) (GC)						

Method: SW846 8015 NM - L	nesei Range (טrganics (ט	RO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/26/25 15:59	1
Method: SW846 8015B NM - Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/24/25 15:31	06/26/25 15:59	1

49.9

mg/Kg

Oil Range Organics (Over C26-C36)	<49.9 U	49.9	mg/ k g	00/24/25 15:31	06/26/25 15:59	ı
Surrogate	%Recovery Qualifie	r Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80	70 - 130		06/24/25 15:31	06/26/25 15:59	1
o-Terphenyl (Surr)	84	70 - 130		06/24/25 15:31	06/26/25 15:59	1

<49.9 U *1

Method: EPA 300.0 - Anions, Id	on Chromat	tography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1490		9.94		mg/Kg			06/26/25 02:14	1

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Diesel Range Organics (Over

C10-C28)

Client Sample ID: CWS-1 (0'-1.5')

Date Collected: 06/20/25 11:35 Date Received: 06/23/25 12:07 Lab Sample ID: 820-19526-13

Matrix: Solid

Method: SW846 8021B - Vo	olatile Organic	Compound	ds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 22:04	1
Toluene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 22:04	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 22:04	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/24/25 15:02	06/25/25 22:04	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 22:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/25 15:02	06/25/25 22:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				06/24/25 15:02	06/25/25 22:04	1
1,4-Difluorobenzene (Surr)	108		70 - 130				06/24/25 15:02	06/25/25 22:04	1
- Method: TAL SOP Total BT	EX - Total BTE	X Calculat	tion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/25 22:04	1
- Method: SW846 8015 NM -	Diesel Range	Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/26/25 16:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier MDL Unit **Prepared** Analyzed Dil Fac <50.0 U Gasoline Range Organics 06/24/25 15:31 06/26/25 16:14 50.0 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U *1 50.0 mg/Kg 06/24/25 15:31 06/26/25 16:14 C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 06/24/25 15:31 06/26/25 16:14 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane (Surr) 76 70 - 130 06/24/25 15:31 06/26/25 16:14 79 70 - 130 06/24/25 15:31 06/26/25 16:14 o-Terphenyl (Surr)

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	524		9.92		mg/Kg			06/26/25 02:20	1

Client Sample ID: CWS-2 (0'-1.5')

Date Collected: 06/20/25 11:40

Date Received: 06/23/25 12:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 22:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 22:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 22:25	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/24/25 15:02	06/25/25 22:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 22:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/25 15:02	06/25/25 22:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				06/24/25 15:02	06/25/25 22:25	1
1.4-Difluorobenzene (Surr)	111		70 - 130				06/24/25 15:02	06/25/25 22:25	1

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Lab Sample ID: 820-19526-14

Matrix: Solid

Date Received: 06/23/25 12:07

Client Sample Results

Client: Terracon Consulting Eng & Scientists Job ID: 820-19526-1 Project/Site: Hognose Viper 23 Fed 1H SDG: KH247059

Client Sample ID: CWS-2 (0'-1.5')

Lab Sample ID: 820-19526-14 Date Collected: 06/20/25 11:40

Matrix: Solid

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				06/25/25 22:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	10.0</td <td>П</td> <td><u>//0 0</u></td> <td></td> <td>ma/Ka</td> <td></td> <td></td> <td>06/26/25 16:30</td> <td></td> <td></td>	П	<u>//0 0</u>		ma/Ka			06/26/25 16:30		

Method: SW846 8015B NM - Diesel Range Organics (DRO)	(CC)	
Niction: 34040 00 13D Mil - Diesei Kalige Olganics (Divo)	100	,

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/24/25 15:31	06/26/25 16:30	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U *1	49.9		mg/Kg		06/24/25 15:31	06/26/25 16:30	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/25 15:31	06/26/25 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	77		70 - 130				06/24/25 15:31	06/26/25 16:30	1

Carrogate	, ,	~~			,
1-Chlorooctane (Surr)	77		70 - 130	06/24/25 15:31	06/26/25 16:30
o-Terphenyl (Surr)	80		70 - 130	06/24/25 15:31	06/26/25 16:30

Method: EPA 300.0 - Anions, I							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.8	10.0	mg/Kg			06/26/25 02:37	1

Client Sample ID: CWS-3 (0'-1.5')

Lab Sample ID: 820-19526-15 Date Collected: 06/20/25 11:45 **Matrix: Solid**

Date Received: 06/23/25 12:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/24/25 15:02	06/25/25 22:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/24/25 15:02	06/25/25 22:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/24/25 15:02	06/25/25 22:45	1
m,p-Xylenes	< 0.00397	U	0.00397		mg/Kg		06/24/25 15:02	06/25/25 22:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/24/25 15:02	06/25/25 22:45	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/24/25 15:02	06/25/25 22:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				06/24/25 15:02	06/25/25 22:45	1
1 4-Difluorobenzene (Surr)	107		70 - 130				06/24/25 15:02	06/25/25 22:45	1

Analyte	Result	Qualifier	RL		nit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	< 0.00397	U	0.00397	m	a/Ka			06/25/25 22:45		

Method: SW846 8015 NM - Diesel Range (Organics (DRO) (GC)	١
Michiga, Syvoto do 13 Mili - Diesei Mande V	Organica (Dixo) (GC	,

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			06/26/25 16:45	1

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

mothed: Cristo Cores itm Biocorrange Organico (Bro) (Co)										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<49.7	U	49.7		mg/Kg		06/24/25 15:31	06/26/25 16:45	1
	(GRO)-C6-C10									
	Diesel Range Organics (Over	<49.7	U *1	49.7		mg/Kg		06/24/25 15:31	06/26/25 16:45	1
	C10-C28)									

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

SDG: KH247059

Client Sample ID: CWS-3 (0'-1.5')

Lab Sample ID: 820-19526-15

Date Collected: 06/20/25 11:45 Date Received: 06/23/25 12:07

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/24/25 15:31	06/26/25 16:45	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	81		70 - 130				06/24/25 15:31		
o-Terphenyl (Surr)	87		70 - 130					06/26/25 16:45	
Mathady EDA 200 0 Aniona	lan Chuama		Calvible						
Method: EPA 300.0 - Anions, Analyte		ograpny - Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	1440		9.96		mg/Kg	_ =		06/26/25 02:43	
Client Sample ID: CWS-4	(0'-1 5')					l a	h Samnla	ID: 820-195	26-1
Date Collected: 06/20/25 11:50	(0-1.5)					LC	ab Sample	Matrix	
Date Received: 06/23/25 12:07								Matrix	. Oon
Method: SW846 8021B - Volat	tile Organia	Compoun	do (CC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	\overline{U}	0.00200		mg/Kg		06/24/25 15:02	06/25/25 23:05	
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 23:05	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			06/25/25 23:05	
m,p-Xylenes	<0.00399		0.00399		mg/Kg			06/25/25 23:05	
o-Xylene	<0.00200		0.00200		mg/Kg			06/25/25 23:05	
Xylenes, Total	< 0.00399		0.00399		mg/Kg			06/25/25 23:05	
Aylones, rotal	-0.00000	O .	0.0000		mg/rtg		00/24/20 10:02	00/20/20 20:00	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	115		70 - 130				06/24/25 15:02	06/25/25 23:05	
1,4-Difluorobenzene (Surr)	108		70 - 130				06/24/25 15:02	06/25/25 23:05	
Method: TAL SOP Total BTEX	. Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/25/25 23:05	
- Method: SW846 8015 NM - Di	esel Range (Organics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	\overline{U}	50.0		mg/Kg			06/26/25 17:00	
 Method: SW846 8015B NM - D	Niceol Pange	Organice	(DPO) (GC)						
Analyte	_	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		06/24/25 15:31	06/26/25 17:00	
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U *1	50.0		mg/Kg		06/24/25 15:31	06/26/25 17:00	
C10-C28) Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/25 15:31	06/26/25 17:00	
	-00.0	-	00.0		9.1.9		33/2 1/20 10:01	33,23,20 11.00	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	82	_	70 - 130				06/24/25 15:31	06/26/25 17:00	
o-Terphenyl (Surr)	90		70 - 130				06/24/25 15:31	06/26/25 17:00	
Method: EPA 300.0 - Anions,	lon Chromat	ography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Allalyte									

Eurofins Lubbock

06/26/25 02:48

99.2

mg/Kg

5140

Chloride

Job ID: 820-19526-1 SDG: KH247059

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Client Sample ID: CFS-13 (1.0'-1.5') Lab Sample ID: 820-19526-17

Matrix: Solid

Date Collected: 06/20/25 11:55 Date Received: 06/23/25 12:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 23:26	1
Toluene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 23:26	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 23:26	•
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/24/25 15:02	06/25/25 23:26	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 23:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/25 15:02	06/25/25 23:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				06/24/25 15:02	06/25/25 23:26	
1,4-Difluorobenzene (Surr)	103		70 - 130				06/24/25 15:02	06/25/25 23:26	1
Method: TAL SOP Total BT	TEX - Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/25 23:26	
Method: SW846 8015 NM -	Diesel Range	Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	<49.8		49.8		mg/Kg			06/26/25 17:15	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/24/25 15:31	06/26/25 17:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		06/24/25 15:31	06/26/25 17:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/24/25 15:31	06/26/25 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130				06/24/25 15:31	06/26/25 17:15	1
o-Terphenyl (Surr)	83		70 - 130				06/24/25 15:31	06/26/25 17:15	1

Method: EPA 300.0 - Anions, I	on Chromat	tography - S	oluble					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	302		10.1	mg/Kg			06/26/25 02:54	1

Client Sample ID: CFS-14 (1.0'-1.5')

Lab Sample ID: 820-19526-18 Date Collected: 06/20/25 12:00 **Matrix: Solid**

Date Received: 06/23/25 12:07

Released to Imaging: 9/15/2025 3:50:35 PM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 23:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 23:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 23:46	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/24/25 15:02	06/25/25 23:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/25/25 23:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/25 15:02	06/25/25 23:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119	·	70 - 130				06/24/25 15:02	06/25/25 23:46	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/24/25 15:02	06/25/25 23:46	1

Project/Site: Hognose Viper 23 Fed 1H

Client: Terracon Consulting Eng & Scientists Job ID: 820-19526-1 SDG: KH247059

Client Sample ID: CFS-14 (1.0'-1.5')

Date Collected: 06/20/25 12:00 Date Received: 06/23/25 12:07

Lab Sample ID: 820-19526-18

06/24/25 15:31 06/26/25 17:30

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/25/25 23:46	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			06/26/25 17:30	1

Method: SW846 8015B NN	I - Diesel Range Organics	(DRO) (GC)
Analyte	Result Qualifier	RL

Allalyte	Result	Quanner	IXE.	IVIDE	Oilit	 rieparea	Allalyzea	Diriac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg	 06/24/25 15:31	06/26/25 17:30	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U *1	49.8		mg/Kg	06/24/25 15:31	06/26/25 17:30	1
C10-C28)								
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg	06/24/25 15:31	06/26/25 17:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130			06/24/25 15:31	06/26/25 17:30	1

1-Chlorooctane (Surr)	80	70 - 130
o-Terphenyl (Surr)	86	70 - 130

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	6440		100		mg/Kg			06/26/25 03:00	10	

Client Sample ID: CWS-5 (0'-1.5')

Lab Sample ID: 820-19526-19 Date Collected: 06/20/25 12:05 **Matrix: Solid**

Date Received: 06/23/25 12:07

Released to Imaging: 9/15/2025 3:50:35 PM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/26/25 00:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/26/25 00:07	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/26/25 00:07	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/24/25 15:02	06/26/25 00:07	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		06/24/25 15:02	06/26/25 00:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/25 15:02	06/26/25 00:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				06/24/25 15:02	06/26/25 00:07	1
1,4-Difluorobenzene (Surr)	108		70 - 130				06/24/25 15:02	06/26/25 00:07	1

Method: TAL SOP Total	BTEX - Total	I BTEX Calculation
-----------------------	---------------------	--------------------

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	ma/Ka			06/26/25 00:07	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			06/26/25 17:45	1

Method: 544846 8015B NW - L	Jiesei 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		06/24/25 15:31	06/26/25 17:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		06/24/25 15:31	06/26/25 17:45	1

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

SDG: KH247059

Client Sample ID: CWS-5 (0'-1.5')

Lab Sample ID: 820-19526-19

Date Collected: 06/20/25 12:05 Date Received: 06/23/25 12:07

Matrix: Solid

Method: SW846 8015B NM - I Analyte	_	Qualifier	RL	(Contii	Unit	D	Prepared	Analyzed	Dil Fa
Oil Range Organics (Over C28-C36)	<50.0		50.0	WIDE	mg/Kg	=	06/24/25 15:31		Dilla
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	81		70 - 130				06/24/25 15:31		
o-Terphenyl (Surr)	87		70 - 130				06/24/25 15:31	06/26/25 17:45	
Method: EPA 300.0 - Anions, Analyte		Qualifier	- Soluble RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	2090		49.5		mg/Kg			06/26/25 03:05	
Client Sample ID: CWS-6	(0'-1.5')					La	b Sample	ID: 820-195	26-2
Date Collected: 06/20/25 12:10 Date Received: 06/23/25 12:07	•						•	Matrix	
Method: SW846 8021B - Vola	tile Organic	Compour	nds (GC)						
Analyte	_	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/26/25 00:27	
Toluene	< 0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/26/25 00:27	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/26/25 00:27	
m,p-Xylenes	< 0.00399	U	0.00399		mg/Kg		06/24/25 15:02	06/26/25 00:27	
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/26/25 00:27	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/24/25 15:02	06/26/25 00:27	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	124		70 - 130				06/24/25 15:02	06/26/25 00:27	
1,4-Difluorobenzene (Surr)	103		70 - 130				06/24/25 15:02	06/26/25 00:27	
Method: TAL SOP Total BTE	(- Total BTE	X Calcula	tion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/26/25 00:27	
Method: SW846 8015 NM - Di	esel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.8	U	49.8		mg/Kg			06/26/25 18:00	
Method: SW846 8015B NM - I	Diesel Range	Organic	s (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.8	Ū	49.8		mg/Kg		06/24/25 15:31	06/26/25 18:00	
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		06/24/25 15:31	06/26/25 18:00	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/24/25 15:31	06/26/25 18:00	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)	80		70 - 130				06/24/25 15:31	06/26/25 18:00	
o-Terphenyl (Surr)	85		70 - 130				06/24/25 15:31	06/26/25 18:00	
Method: EPA 300.0 - Anions,	Ion Chroma	tography	- Soluble						
Analyte	Pocult	Qualifier	RL	MDL	Linit	D	Prepared	Analyzed	Dil Fa

Eurofins Lubbock

06/26/25 03:11

mg/Kg

9.90

1480

Chloride

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

SDG: KH247059

Client Sample ID: CWS-7 (0'-1.5')

Lab Sample ID: 820-19526-21

Date Collected: 06/20/25 12:15 Date Received: 06/23/25 12:07

/latr	ix:	Sol	lid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:00	06/24/25 23:16	
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:00	06/24/25 23:16	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:00	06/24/25 23:16	
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		06/24/25 15:00	06/24/25 23:16	
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:00	06/24/25 23:16	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/24/25 15:00	06/24/25 23:16	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	118		70 - 130				06/24/25 15:00	06/24/25 23:16	
1,4-Difluorobenzene (Surr)	102		70 - 130				06/24/25 15:00	06/24/25 23:16	
Method: TAL SOP Total BTEX	(- Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/24/25 23:16	
Total TPH	<49.8	П							
Analyte Total TPH		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
	10.0	O	49.8		mg/Kg			06/27/25 08:58	
Method: SW846 8015B NM - [mg/Kg			06/27/25 08:58	
	Diesel Range			MDL		D	Prepared	06/27/25 08:58 Analyzed	Dil F
Analyte Gasoline Range Organics	Diesel Range	Organics Qualifier	(DRO) (GC)	MDL		<u>D</u>	Prepared 06/24/25 15:33		Dil F
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Diesel Range Result	Organics Qualifier	(DRO) (GC)	MDL	Unit	<u>D</u>	06/24/25 15:33	Analyzed	Dil F
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Diesel Range Result <49.8	Organics Qualifier U	(DRO) (GC) RL 49.8	MDL	Unit mg/Kg	<u>D</u>	06/24/25 15:33 06/24/25 15:33	Analyzed 06/27/25 08:58	Dil F
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Diesel Range Result <49.8	Organics Qualifier U	(DRO) (GC) RL 49.8	MDL	Unit mg/Kg mg/Kg	<u>D</u>	06/24/25 15:33 06/24/25 15:33	Analyzed 06/27/25 08:58 06/27/25 08:58	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)		Organics Qualifier U	(DRO) (GC) RL 49.8 49.8 49.8	MDL	Unit mg/Kg mg/Kg	<u>D</u>	06/24/25 15:33 06/24/25 15:33 06/24/25 15:33	Analyzed 06/27/25 08:58 06/27/25 08:58 06/27/25 08:58	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr)	Piesel Range Result <49.8 <49.8 <49.8	Organics Qualifier U	(DRO) (GC) RL 49.8 49.8 49.8 Limits	MDL	Unit mg/Kg mg/Kg	<u>D</u>	06/24/25 15:33 06/24/25 15:33 06/24/25 15:33 Prepared 06/24/25 15:33	Analyzed 06/27/25 08:58 06/27/25 08:58 06/27/25 08:58 Analyzed	
Method: SW846 8015B NM - I Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr) Method: EPA 300.0 - Anions,	Name	Qualifier U U Qualifier	(DRO) (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg	<u>D</u>	06/24/25 15:33 06/24/25 15:33 06/24/25 15:33 Prepared 06/24/25 15:33	Analyzed 06/27/25 08:58 06/27/25 08:58 06/27/25 08:58 Analyzed 06/27/25 08:58	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane (Surr) o-Terphenyl (Surr)	Ciesel Range Result <49.8 <49.8 <49.8 **Recovery 91 91 Ion Chroma**	Qualifier U U Qualifier	(DRO) (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	06/24/25 15:33 06/24/25 15:33 06/24/25 15:33 Prepared 06/24/25 15:33	Analyzed 06/27/25 08:58 06/27/25 08:58 06/27/25 08:58 Analyzed 06/27/25 08:58	

Lab Sample ID: 820-19526-22 Client Sample ID: CWS-8 (0'-1.5') Date Collected: 06/20/25 12:20

Date Received: 06/23/25 12:07

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/25 15:00	06/24/25 23:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/25 15:00	06/24/25 23:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/25 15:00	06/24/25 23:36	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		06/24/25 15:00	06/24/25 23:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/25 15:00	06/24/25 23:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/25 15:00	06/24/25 23:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				06/24/25 15:00	06/24/25 23:36	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/24/25 15:00	06/24/25 23:36	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19526-1

SDG: KH247059

Client Sample ID: CWS-8 (0'-1.5')

Lab Sample ID: 820-19526-22

Matrix: Solid

Date Collected: 06/20/25 12:20 Date Received: 06/23/25 12:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/24/25 23:36	1
Method: SW846 8015 NM - Die	esel Range (Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	237		49.9		mg/Kg			06/27/25 09:47	1
Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)						
Analyte	_	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/24/25 15:33	06/27/25 09:47	1
Diesel Range Organics (Over C10-C28)	237		49.9		mg/Kg		06/24/25 15:33	06/27/25 09:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/24/25 15:33	06/27/25 09:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	96		70 - 130				06/24/25 15:33	06/27/25 09:47	1
o-Terphenyl (Surr)	101		70 - 130				06/24/25 15:33	06/27/25 09:47	1
Method: EPA 300.0 - Anions,	Ion Chromat	tography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18800		199		mg/Kg			06/26/25 04:13	20

Surrogate Summary

Client: Terracon Consulting Eng & Scientists

Job ID: 820-19526-1

Project/Site: Hognose Viper 23 Fed 1H

SDG: KH247059

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		DED4		ate Recovery (Acceptance Limits)
Lab Carrella ID	Ollered Occurrie ID	BFB1	DFBZ1	
Lab Sample ID 820-19526-1	Client Sample ID CFS-1 (1.0'-1.5')	<u>(70-130)</u>	<u>(70-130)</u> 108	
	` '	106	99	
820-19526-1 MS	CFS-1 (1.0'-1.5')	99	99 97	
820-19526-1 MSD	CFS-1 (1.0'-1.5')			
820-19526-2	CFS-2 (1.0'-1.5')	113	105 105	
820-19526-3	CFS-3 (1.0'-1.5')	115		
820-19526-4	CFS-4 (1.0'-1.5')	108	109	
820-19526-5	CFS-5 (1.0'-1.5')	120	109	
820-19526-6	CFS-6 (1.0'-1.5')	124	106	
820-19526-7	CFS-7 (1.0'-1.5')	119	110	
820-19526-8	CFS-8 (1.0'-1.5')	122	106	
820-19526-9	CFS-9 (1.0'-1.5')	117	110	
820-19526-10	CFS-10 (1.0'-1.5')	119	104	
820-19526-11	CFS-11 (1.0'-1.5')	94	96	
820-19526-12	CFS-12 (1.0'-1.5')	108	100	
820-19526-13	CWS-1 (0'-1.5')	114	108	
820-19526-14	CWS-2 (0'-1.5')	113	111	
820-19526-15	CWS-3 (0'-1.5')	117	107	
820-19526-16	CWS-4 (0'-1.5')	115	108	
820-19526-17	CFS-13 (1.0'-1.5')	124	103	
820-19526-18	CFS-14 (1.0'-1.5')	119	103	
820-19526-19	CWS-5 (0'-1.5')	118	108	
820-19526-20	CWS-6 (0'-1.5')	124	103	
820-19526-21	CWS-7 (0'-1.5')	118	102	
820-19526-22	CWS-8 (0'-1.5')	113	102	
890-8342-A-1-B MS	Matrix Spike	112	101	
890-8342-A-1-C MSD	Matrix Spike Duplicate	95	100	
LCS 880-112847/1-A	Lab Control Sample	97	92	
LCS 880-112934/1-A	Lab Control Sample	102	99	
LCSD 880-112847/2-A	Lab Control Sample Dup	96	86	
LCSD 880-112934/2-A	Lab Control Sample Dup	101	102	
MB 880-112847/5-A	Method Blank	152 S1+	95	
MB 880-112934/5-A	Method Blank	145 S1+	91	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

_			Perc	ent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
820-19526-1	CFS-1 (1.0'-1.5')	85	92	
820-19526-1 MS	CFS-1 (1.0'-1.5')	98	99	
820-19526-1 MSD	CFS-1 (1.0'-1.5')	96	96	
820-19526-2	CFS-2 (1.0'-1.5')	83	91	
820-19526-3	CFS-3 (1.0'-1.5')	85	93	
820-19526-4	CFS-4 (1.0'-1.5')	84	90	
820-19526-5	CFS-5 (1.0'-1.5')	84	94	

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Surrogate Summary

Client: Terracon Consulting Eng & Scientists Job ID: 820-19526-1 Project/Site: Hognose Viper 23 Fed 1H SDG: KH247059

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

Matrix: Solid Prep Type: Total/NA

			Perc	cent Sur
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
20-19526-6	CFS-6 (1.0'-1.5')	80	86	
20-19526-7	CFS-7 (1.0'-1.5')	83	90	
20-19526-8	CFS-8 (1.0'-1.5')	84	92	
20-19526-9	CFS-9 (1.0'-1.5')	81	89	
20-19526-10	CFS-10 (1.0'-1.5')	86	92	
20-19526-11	CFS-11 (1.0'-1.5')	81	86	
20-19526-12	CFS-12 (1.0'-1.5')	80	84	
20-19526-13	CWS-1 (0'-1.5')	76	79	
20-19526-14	CWS-2 (0'-1.5')	77	80	
20-19526-15	CWS-3 (0'-1.5')	81	87	
20-19526-16	CWS-4 (0'-1.5')	82	90	
20-19526-17	CFS-13 (1.0'-1.5')	79	83	
20-19526-18	CFS-14 (1.0'-1.5')	80	86	
20-19526-19	CWS-5 (0'-1.5')	81	87	
20-19526-20	CWS-6 (0'-1.5')	80	85	
20-19526-21	CWS-7 (0'-1.5')	91	91	
20-19526-21 MS	CWS-7 (0'-1.5')	87	95	
20-19526-21 MSD	CWS-7 (0'-1.5')	88	95	
20-19526-22	CWS-8 (0'-1.5')	96	101	
CS 880-112940/2-A	Lab Control Sample	77	82	
CS 880-112943/2-A	Lab Control Sample	106	116	
CSD 880-112940/3-A	Lab Control Sample Dup	78	82	
CSD 880-112943/3-A	Lab Control Sample Dup	104	114	
MB 880-112940/1-A	Method Blank	75	85	
MB 880-112943/1-A	Method Blank	95	100	
Surrogate Legend				

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Job ID: 820-19526-1 Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H SDG: KH247059

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-112847/5-A

Matrix: Solid

Analysis Batch: 112842

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 112847

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/25 10:26	06/24/25 15:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/25 10:26	06/24/25 15:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/25 10:26	06/24/25 15:09	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/24/25 10:26	06/24/25 15:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/25 10:26	06/24/25 15:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/25 10:26	06/24/25 15:09	1
	MR	MR							

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130	06/24/25 10:26	06/24/25 15:09
1,4-Difluorobenzene (Surr)	95		70 - 130	06/24/25 10:26	06/24/25 15:09

Lab Sample ID: LCS 880-112847/1-A

Matrix: Solid

Analysis Batch: 112842

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 112847

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08859		mg/Kg		89	70 - 130	
Toluene	0.100	0.08616		mg/Kg		86	70 - 130	
Ethylbenzene	0.100	0.09812		mg/Kg		98	70 - 130	
m,p-Xylenes	0.200	0.1837		mg/Kg		92	70 - 130	
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130	
The state of the s								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-112847/2-A

Matrix: Solid

Analysis Batch: 112842

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

Prep Batch: 112847

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09476		mg/Kg		95	70 - 130	7	35
Toluene	0.100	0.1117		mg/Kg		112	70 - 130	26	35
Ethylbenzene	0.100	0.1081		mg/Kg		108	70 - 130	10	35
m,p-Xylenes	0.200	0.2131		mg/Kg		107	70 - 130	15	35
o-Xylene	0.100	0.1159		mg/Kg		116	70 - 130	13	35

LCSD LCSD

Surrogate	%Recovery Quali	fier Limits
4-Bromofluorobenzene (Surr)	96	70 - 130
1,4-Difluorobenzene (Surr)	86	70 - 130

Lab Sample ID: 890-8342-A-1-B MS

Matrix: Solid

Analysis Batch: 112842

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 112847

MS MS %Rec Sample Sample Spike Result Qualifier Added Result Qualifier Unit %Rec

Analyte Limits Benzene <0.00200 U 0.100 0.1184 118 70 - 130 mg/Kg Toluene <0.00200 U 0.100 0.1030 mg/Kg 103 70 - 130

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Dil Fac

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

QC Sample Results

Client: Terracon Consulting Eng & Scientists Job ID: 820-19526-1 Project/Site: Hognose Viper 23 Fed 1H SDG: KH247059

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

Lab Sample ID: 890-8342-A-1-B MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 112842 **Prep Batch: 112847**

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U F1	0.100	0.1372	F1	mg/Kg		137	70 - 130	
m,p-Xylenes	<0.00399	U	0.200	0.2567		mg/Kg		128	70 - 130	
o-Xylene	<0.00200	U F1	0.100	0.1399	F1	mg/Kg		140	70 - 130	

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 112 70 - 130 1,4-Difluorobenzene (Surr) 101 70 - 130

Lab Sample ID: 890-8342-A-1-C MSD

Matrix: Solid

Analysis Batch: 112842									Prep Ba	tch: 1	12847
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.1133		mg/Kg		113	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.1046		mg/Kg		105	70 - 130	2	35
Ethylbenzene	<0.00200	U F1	0.100	0.1109		mg/Kg		111	70 - 130	21	35
m,p-Xylenes	< 0.00399	U	0.200	0.1918		mg/Kg		96	70 - 130	29	35
o-Xylene	<0.00200	U F1	0.100	0.1217		mg/Kg		122	70 - 130	14	35

MSD MSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 95 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 100

Lab Sample ID: MB 880-112934/5-A

M

ab Sample ID: MB 880-112934/5-A						C	lient Samp	ole ID: Method	Blank
Matrix: Solid								Prep Type: To	otal/NA
Analysis Batch: 112978								Prep Batch:	112934
•	MB	MB							
maluta D	14	Ouglifier	DI	MDI	1144	ь.	Dramarad	Amalumad	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 16:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 16:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 16:00	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		06/24/25 15:02	06/25/25 16:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/25 15:02	06/25/25 16:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/25 15:02	06/25/25 16:00	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130	06/24/25 15:02	06/25/25 16:00	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/24/25 15:02	06/25/25 16:00	1

Lab Sample ID: LCS 880-112934/1-A

Matrix: Solid Analysis Batch: 112978							Prep Type: Total/N Prep Batch: 11293	
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1036		mg/Kg		104	70 - 130	_
Toluene	0.100	0.09917		mg/Kg		99	70 - 130	
Ethylbenzene	0.100	0.1086		mg/Kg		109	70 - 130	
m,p-Xylenes	0.200	0.2188		mg/Kg		109	70 - 130	

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Client Sample ID: Lab Control Sample

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QC Sample Results

Client: Terracon Consulting Eng & Scientists Job ID: 820-19526-1 Project/Site: Hognose Viper 23 Fed 1H SDG: KH247059

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

Lab Sample ID: LCS 880-112934/1-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 112978** Prep Batch: 112934 LCS LCS Spike %Rec

Analyte Added Result Qualifier Unit %Rec Limits o-Xylene 0 100 0.1236 mg/Kg 124 70 - 130

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 102 70 - 130 1,4-Difluorobenzene (Surr) 99 70 - 130

Lab Sample ID: LCSD 880-112934/2-A **Client Sample ID: Lab Control Sample Dup Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 112978

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Limits RPD Limit **Analyte** Unit D %Rec Benzene 0.100 0.1084 mg/Kg 108 70 - 130 5 35 Toluene 0.100 0.09708 mg/Kg 97 70 - 130 2 35 Ethylbenzene 0.100 mg/Kg 70 - 130 35 0.1190 119 9 0.200 0.2300 115 70 - 130 35 m,p-Xylenes mg/Kg o-Xylene 0.100 0.1274 mg/Kg 127 70 - 130 3 35

LCSD LCSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 101 70 - 130 1,4-Difluorobenzene (Surr) 102 70 - 130

Lab Sample ID: 820-19526-1 MS **Client Sample ID: CFS-1 (1.0'-1.5') Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 112978									Prep Batch: 112934
	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00200	U	0.100	0.09739		mg/Kg		97	70 - 130
Toluene	<0.00200	U	0.100	0.08751		mg/Kg		88	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09148		mg/Kg		91	70 - 130
m,p-Xylenes	< 0.00399	U	0.200	0.1996		mg/Kg		100	70 - 130
o-Xylene	<0.00200	U	0.100	0.1191		mg/Kg		119	70 - 130

MS MS %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 106 1,4-Difluorobenzene (Surr) 70 - 130 99

Lab Sample ID: 820-19526-1 MSD Client Sample ID: CFS-1 (1.0'-1.5') **Matrix: Solid**

Analysis Batch: 112978									Prep Ba	atch: 11	12934
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.1002		mg/Kg		100	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.08976		mg/Kg		90	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.09590		mg/Kg		96	70 - 130	5	35
m,p-Xylenes	<0.00399	U	0.200	0.1912		mg/Kg		96	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.1119		mg/Kg		112	70 - 130	6	35

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Prep Batch: 112934

Prep Type: Total/NA

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19526-1 SDG: KH247059

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

Lab Sample ID: 820-19526-1 MSD

Matrix: Solid

Analysis Batch: 112978

Client Sample ID: CFS-1 (1.0'-1.5')

Prep Type: Total/NA

Prep Batch: 112934

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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

Lab Sample ID: MB 880-112940/1-A

Matrix: Solid

Analysis Batch: 113145

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 112940

мв мв Result Qualifier **MDL** Unit Analyte RL Prepared Analyzed Dil Fac 06/24/25 15:30 06/26/25 10:09 Gasoline Range Organics <50.0 U 50.0 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 06/24/25 15:30 06/26/25 10:09 C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 06/24/25 15:30 06/26/25 10:09

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130	06/24/25 15:30	06/26/25 10:09	1
o-Terphenyl (Surr)	85		70 - 130	06/24/25 15:30	06/26/25 10:09	1

LCS LCS

878.6

920.4

Result Qualifier

Unit

mg/Kg

mg/Kg

Spike

Added

1000

1000

Lab Sample ID: LCS 880-112940/2-A

Matrix: Solid

Analysis Batch: 113145

Gasoline Range Organics

Client Sample ID: Lab Control Sample

Prep Type: Total/NA **Prep Batch: 112940**

%Rec

70 - 130

Limits D %Rec 88 70 - 130

Diesel Range Organics (Over C10-C28)

(GRO)-C6-C10

Analyte

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane (Surr)	77	70 - 130
o-Terphenyl (Surr)	82	70 - 130

Lab Sample ID: LCSD 880-112940/3-A

Released to Imaging: 9/15/2025 3:50:35 PM

Matrix: Solid

Analysis Batch: 113145

Client Sample ID: Lab Control Sample Dup

92

Prep Batch: 112940

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	1055		mg/Kg		105	70 - 130	18	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	1138	*1	mg/Kg		114	70 - 130	21	20	

C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualified	r Limits
1-Chlorooctane (Surr)	78	70 - 130
o-Terphenyl (Surr)	82	70 - 130

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Prep Type: Total/NA

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19526-1 SDG: KH247059

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

Lab Sample ID: 820-19526-1 MS

Matrix: Solid

Client Sample ID: CFS-1 (1.0'-1.5')

Prep Type: Total/NA **Prep Batch: 112940**

Prep Type: Total/NA

4

20

Analysis Batch: 113145 Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier D %Rec Limits Analyte Unit <50.0 U Gasoline Range Organics 998 836.9 mg/Kg 84 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U *1 998 935.6 70 - 130 mg/Kg 94

C10-C28)

MS MS

<50.0 U *1

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	98		70 - 130
o-Terphenyl (Surr)	99		70 - 130

Client Sample ID: CFS-1 (1.0'-1.5')

70 - 130

90

Matrix: Solid

Analysis Batch: 113145

Lab Sample ID: 820-19526-1 MSD

Prep Batch: 112940 Sample Sample %Rec Spike MSD MSD **RPD** Result Qualifier Added Result Qualifier D %Rec Limits RPD Limit Unit Gasoline Range Organics <50.0 U 998 821.2 82 70 - 130 2 20 mg/Kg

899.5

mg/Kg

(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)

Analyte

MSD MSD

Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 96 70 - 130 o-Terphenyl (Surr) 96 70 - 130

Lab Sample ID: MB 880-112943/1-A

Matrix: Solid

Analysis Batch: 113218

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 112943

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/24/25 15:33	06/27/25 06:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/24/25 15:33	06/27/25 06:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/24/25 15:33	06/27/25 06:59	1

998

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	95	70 - 130	06/24/25 15:33	06/27/25 06:59	1
o-Terphenyl (Surr)	100	70 - 130	06/24/25 15:33	06/27/25 06:59	1

Lab Sample ID: LCS 880-112943/2-A

Matrix: Solid

Analysis Batch: 113218

Client Sample ID: Lab Control Sample	•
Prep Type: Total/NA	•
Prep Batch: 112943	}
%Rec	

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	905.4		mg/Kg		91	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	980.4		mg/Kg		98	70 - 130	
C10-C28)								

Client: Terracon Consulting Eng & Scientists Job ID: 820-19526-1 Project/Site: Hognose Viper 23 Fed 1H SDG: KH247059

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

Lab Sample ID: LCS 880-112943/2-A

Matrix: Solid

Analysis Batch: 113218

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 112943

LCS LCS

%Recovery Qualifier Limits Surrogate 1-Chlorooctane (Surr) 106 70 - 130 o-Terphenyl (Surr) 116 70 - 130

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 880-112943/3-A

Matrix: Solid

Analysis Batch: 113218

Prep Type: Total/NA

Prep Batch: 112943

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 904.1 mg/Kg 90 70 - 130 0 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 989.6 mg/Kg 99 70 - 130 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane (Surr)	104	70 - 130
o-Terphenyl (Surr)	114	70 - 130

Lab Sample ID: 820-19526-21 MS Client Sample ID: CWS-7 (0'-1.5')

Matrix: Solid

Prep Type: Total/NA Analysis Batch: 113218 Prep Batch: 112943

%Rec

Sample Sample Spike MS MS Result Qualifier Added Result Qualifier Limits Analyte Unit D %Rec <49.8 U Gasoline Range Organics 997 717.4 mg/Kg 72 70 - 130 (GRO)-C6-C10 997 Diesel Range Organics (Over <49.8 U 822.1 mg/Kg 80 70 - 130

C10-C28)

	MS I	ИS	
Surrogate	%Recovery (Qualifier	Limits
1-Chlorooctane (Surr)	87		70 - 130
o-Terphenyl (Surr)	95		70 - 130

Lab Sample ID: 820-19526-21 MSD Client Sample ID: CWS-7 (0'-1.5')

Matrix: Solid

Analysis Batch: 113218

Prep Type: Total/NA

Prep Batch: 112943 %Rec **RPD**

Sample Sample Spike MSD MSD Result Qualifier RPD Added Result Qualifier Limits Limit Analyte Unit %Rec Gasoline Range Organics <49.8 U 997 728.5 73 70 - 130 2 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.8 U 997 828.7 mg/Kg 81 70 - 130 20

70 - 130

C10-C28)

Surrogate

1-Chlorooctane (Surr)

o-Terphenyl (Surr)

พรบ	IVISD	
%Recovery	Qualifier	Limits
88		70 - 130

95

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19526-1 SDG: KH247059

KH247059

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113000/1-A

Client Sample ID: Method Blank Prep Type: Soluble

Matrix: Solid

Analysis Batch: 113076

MB MB

Analyte Result Qualifier RL MDL Unit Direction MDL Unit Mg/Kg Direction MDL MDL MG/Kg Direction MDL MG/Kg Direction MDL MG/Kg Direction MDL MG/Kg Direction MDL MG/Kg Direction MDL MG/Kg Direction MDL MG/Kg Direction MDL MG/Kg Direction MDL MG/Kg Direction MDL MG/Kg Direction MG/Kg Dire

Lab Sample ID: LCS 880-113000/2-A

Client Sample ID: Lab Control Sample Prep Type: Soluble

Matrix: Solid

Analysis Batch: 113076

 Analyte
 Added Chloride
 Result 250
 Qualifier mg/Kg
 Unit mg/Kg
 D 99
 90 - 110

Lab Sample ID: LCSD 880-113000/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 113076

Spike LCSD LCSD %Rec

Lab Sample ID: 820-19526-1 MS

Client Sample ID: CFS-1 (1.0'-1.5')
Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

RPD

Matrix: Solid

Analysis Batch: 113076

Spike MS MS Sample Sample %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 399 F1 Chloride 252 617.1 F1 mg/Kg 86 90 - 110

Lab Sample ID: 820-19526-1 MSD

Client Sample ID: CFS-1 (1.0'-1.5')

Matrix: Solid

Analysis Batch: 113076

MSD MSD RPD Sample Sample Spike %Rec Result Qualifier Added Result Qualifier Analyte Unit %Rec Limits Limit Chloride 399 F1 252 620.0 F1 mg/Kg 88 90 - 110

Lab Sample ID: 820-19526-11 MS

Client Sample ID: CFS-11 (1.0'-1.5')
Prep Type: Soluble

Matrix: Solid

Analysis Batch: 113076

Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits 249 Chloride 712 944.8 mg/Kg 90 - 110

Lab Sample ID: 820-19526-11 MSD

Client Sample ID: CFS-11 (1.0'-1.5')

Matrix: Solid

Analysis Batch: 113076

Sample Sample Spike MSD MSD %Rec **RPD** Added Result Qualifier Result Qualifier Limits RPD Limit Analyte Unit %Rec 249 93 Chloride 712 944.3 mg/Kg 90 - 110

Lab Sample ID: MB 880-113003/1-A

Released to Imaging: 9/15/2025 3:50:35 PM

Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 113081

Prep Type: Soluble

MB

MB MB

 Analyte
 Result Chloride
 Qualifier Chloride
 RL VIDENTIAL
 MDL VIDENTIAL
 Unit VIDENTIAL
 D VIDENTIAL
 Prepared VIDENTIAL
 Analyzed VIDENTIAL
 Dil Fac VIDENTIAL

QC Sample Results

Client: Terracon Consulting Eng & Scientists Job ID: 820-19526-1 Project/Site: Hognose Viper 23 Fed 1H SDG: KH247059

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-113003/2-A Matrix: Solid Analysis Batch: 113081				Client	San	nple ID	Prep Type: Soluble
-	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	250	249.9		mg/Kg	_	100	90 - 110

Matrix: Solid Analysis Batch: 113081			(Slient Sai	mple	ID: Lat	Prep T		
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	249.4		mg/Kg		100	90 - 110	0	20

	Sample Sample	Spike	MS MS	%Rec
Analysis Batch: 113081				
Matrix: Solid				Prep Type: Soluble
Lab Sample ID: 820-19526-2	TI IVIS			Client Sample ID: CWS-7 (0 -1.5)

•	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	3930	F1	1240	5360	F1	mg/Kg	_	115	90 - 110	

Lab Sample ID: 820-19526-21 Matrix: Solid	MSD						Clie	nt Samı	ple ID: CV	NS-7 (0 vpe: Sc	
Analysis Batch: 113081									i iep i	ype. oc	nubic
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Regult	Qualifier	habbΔ	Regult	Qualifier	Unit	n	%Rec	Limite	RPD	Limit

5368 F1

mg/Kg

1240

3930 F1

90 - 110

116

Chloride

Client: Terracon Consulting Eng & Scientists Job ID: 820-19526-1 Project/Site: Hognose Viper 23 Fed 1H SDG: KH247059

GC VOA

Analysis Batch: 112842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-21	CWS-7 (0'-1.5')	Total/NA	Solid	8021B	112847
820-19526-22	CWS-8 (0'-1.5')	Total/NA	Solid	8021B	112847
MB 880-112847/5-A	Method Blank	Total/NA	Solid	8021B	112847
LCS 880-112847/1-A	Lab Control Sample	Total/NA	Solid	8021B	112847
LCSD 880-112847/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112847
890-8342-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	112847
890-8342-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	112847

Prep Batch: 112847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-21	CWS-7 (0'-1.5')	Total/NA	Solid	5035	
820-19526-22	CWS-8 (0'-1.5')	Total/NA	Solid	5035	
MB 880-112847/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112847/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112847/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8342-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
890-8342-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 112934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
820-19526-1	CFS-1 (1.0'-1.5')	Total/NA	Solid	5035	
820-19526-2	CFS-2 (1.0'-1.5')	Total/NA	Solid	5035	
820-19526-3	CFS-3 (1.0'-1.5')	Total/NA	Solid	5035	
820-19526-4	CFS-4 (1.0'-1.5')	Total/NA	Solid	5035	
820-19526-5	CFS-5 (1.0'-1.5')	Total/NA	Solid	5035	
820-19526-6	CFS-6 (1.0'-1.5')	Total/NA	Solid	5035	
820-19526-7	CFS-7 (1.0'-1.5')	Total/NA	Solid	5035	
820-19526-8	CFS-8 (1.0'-1.5')	Total/NA	Solid	5035	
820-19526-9	CFS-9 (1.0'-1.5')	Total/NA	Solid	5035	
820-19526-10	CFS-10 (1.0'-1.5')	Total/NA	Solid	5035	
820-19526-11	CFS-11 (1.0'-1.5')	Total/NA	Solid	5035	
820-19526-12	CFS-12 (1.0'-1.5')	Total/NA	Solid	5035	
820-19526-13	CWS-1 (0'-1.5')	Total/NA	Solid	5035	
820-19526-14	CWS-2 (0'-1.5')	Total/NA	Solid	5035	
820-19526-15	CWS-3 (0'-1.5')	Total/NA	Solid	5035	
820-19526-16	CWS-4 (0'-1.5')	Total/NA	Solid	5035	
820-19526-17	CFS-13 (1.0'-1.5')	Total/NA	Solid	5035	
820-19526-18	CFS-14 (1.0'-1.5')	Total/NA	Solid	5035	
820-19526-19	CWS-5 (0'-1.5')	Total/NA	Solid	5035	
820-19526-20	CWS-6 (0'-1.5')	Total/NA	Solid	5035	
MB 880-112934/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-112934/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-112934/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-19526-1 MS	CFS-1 (1.0'-1.5')	Total/NA	Solid	5035	
820-19526-1 MSD	CFS-1 (1.0'-1.5')	Total/NA	Solid	5035	

Analysis Batch: 112978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-1	CFS-1 (1.0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-2	CFS-2 (1.0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-3	CFS-3 (1.0'-1.5')	Total/NA	Solid	8021B	112934

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Eurofins Lubbock

6/30/2025

Client: Terracon Consulting Eng & Scientists

Project/Site: Hognose Viper 23 Fed 1H

SDG: KH247059

GC VOA (Continued)

Analysis Batch: 112978 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-4	CFS-4 (1.0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-5	CFS-5 (1.0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-6	CFS-6 (1.0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-7	CFS-7 (1.0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-8	CFS-8 (1.0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-9	CFS-9 (1.0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-10	CFS-10 (1.0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-11	CFS-11 (1.0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-12	CFS-12 (1.0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-13	CWS-1 (0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-14	CWS-2 (0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-15	CWS-3 (0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-16	CWS-4 (0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-17	CFS-13 (1.0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-18	CFS-14 (1.0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-19	CWS-5 (0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-20	CWS-6 (0'-1.5')	Total/NA	Solid	8021B	112934
MB 880-112934/5-A	Method Blank	Total/NA	Solid	8021B	112934
LCS 880-112934/1-A	Lab Control Sample	Total/NA	Solid	8021B	112934
LCSD 880-112934/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	112934
820-19526-1 MS	CFS-1 (1.0'-1.5')	Total/NA	Solid	8021B	112934
820-19526-1 MSD	CFS-1 (1.0'-1.5')	Total/NA	Solid	8021B	112934

Analysis Batch: 113019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-1	CFS-1 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-2	CFS-2 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-3	CFS-3 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-4	CFS-4 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-5	CFS-5 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-6	CFS-6 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-7	CFS-7 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-8	CFS-8 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-9	CFS-9 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-10	CFS-10 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-11	CFS-11 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-12	CFS-12 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-13	CWS-1 (0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-14	CWS-2 (0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-15	CWS-3 (0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-16	CWS-4 (0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-17	CFS-13 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-18	CFS-14 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-19	CWS-5 (0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-20	CWS-6 (0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-21	CWS-7 (0'-1.5')	Total/NA	Solid	Total BTEX	
820-19526-22	CWS-8 (0'-1.5')	Total/NA	Solid	Total BTEX	

Eurofins Lubbock

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Client: Terracon Consulting Eng & Scientists

Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19526-1

SDG: KH247059

GC Semi VOA

Prep Batch: 112940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-1	CFS-1 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-2	CFS-2 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-3	CFS-3 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-4	CFS-4 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-5	CFS-5 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-6	CFS-6 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-7	CFS-7 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-8	CFS-8 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-9	CFS-9 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-10	CFS-10 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-11	CFS-11 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-12	CFS-12 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-13	CWS-1 (0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-14	CWS-2 (0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-15	CWS-3 (0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-16	CWS-4 (0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-17	CFS-13 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-18	CFS-14 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-19	CWS-5 (0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-20	CWS-6 (0'-1.5')	Total/NA	Solid	8015NM Prep	
MB 880-112940/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112940/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112940/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
820-19526-1 MS	CFS-1 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-1 MSD	CFS-1 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 112943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-21	CWS-7 (0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-22	CWS-8 (0'-1.5')	Total/NA	Solid	8015NM Prep	
MB 880-112943/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-112943/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-112943/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
820-19526-21 MS	CWS-7 (0'-1.5')	Total/NA	Solid	8015NM Prep	
820-19526-21 MSD	CWS-7 (0'-1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 113145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-1	CFS-1 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-2	CFS-2 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-3	CFS-3 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-4	CFS-4 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-5	CFS-5 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-6	CFS-6 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-7	CFS-7 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-8	CFS-8 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-9	CFS-9 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-10	CFS-10 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-11	CFS-11 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-12	CFS-12 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-13	CWS-1 (0'-1.5')	Total/NA	Solid	8015B NM	112940

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Client: Terracon Consulting Eng & Scientists

Project/Site: Hognose Viper 23 Fed 1H

SDG: KH247059

GC Semi VOA (Continued)

Analysis Batch: 113145 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-14	CWS-2 (0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-15	CWS-3 (0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-16	CWS-4 (0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-17	CFS-13 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-18	CFS-14 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-19	CWS-5 (0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-20	CWS-6 (0'-1.5')	Total/NA	Solid	8015B NM	112940
MB 880-112940/1-A	Method Blank	Total/NA	Solid	8015B NM	112940
LCS 880-112940/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112940
LCSD 880-112940/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112940
820-19526-1 MS	CFS-1 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940
820-19526-1 MSD	CFS-1 (1.0'-1.5')	Total/NA	Solid	8015B NM	112940

Analysis Batch: 113188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-1	CFS-1 (1.0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-2	CFS-2 (1.0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-3	CFS-3 (1.0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-4	CFS-4 (1.0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-5	CFS-5 (1.0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-6	CFS-6 (1.0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-7	CFS-7 (1.0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-8	CFS-8 (1.0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-9	CFS-9 (1.0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-10	CFS-10 (1.0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-11	CFS-11 (1.0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-12	CFS-12 (1.0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-13	CWS-1 (0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-14	CWS-2 (0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-15	CWS-3 (0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-16	CWS-4 (0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-17	CFS-13 (1.0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-18	CFS-14 (1.0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-19	CWS-5 (0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-20	CWS-6 (0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-21	CWS-7 (0'-1.5')	Total/NA	Solid	8015 NM	
820-19526-22	CWS-8 (0'-1.5')	Total/NA	Solid	8015 NM	

Analysis Batch: 113218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-21	CWS-7 (0'-1.5')	Total/NA	Solid	8015B NM	112943
820-19526-22	CWS-8 (0'-1.5')	Total/NA	Solid	8015B NM	112943
MB 880-112943/1-A	Method Blank	Total/NA	Solid	8015B NM	112943
LCS 880-112943/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	112943
LCSD 880-112943/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	112943
820-19526-21 MS	CWS-7 (0'-1.5')	Total/NA	Solid	8015B NM	112943
820-19526-21 MSD	CWS-7 (0'-1.5')	Total/NA	Solid	8015B NM	112943

Eurofins Lubbock

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nio Labbook

Client: Terracon Consulting Eng & Scientists

Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19526-1

SDG: KH247059

HPLC/IC

Leach Batch: 113000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-1	CFS-1 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-2	CFS-2 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-3	CFS-3 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-4	CFS-4 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-5	CFS-5 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-6	CFS-6 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-7	CFS-7 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-8	CFS-8 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-9	CFS-9 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-10	CFS-10 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-11	CFS-11 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-12	CFS-12 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-13	CWS-1 (0'-1.5')	Soluble	Solid	DI Leach	
820-19526-14	CWS-2 (0'-1.5')	Soluble	Solid	DI Leach	
820-19526-15	CWS-3 (0'-1.5')	Soluble	Solid	DI Leach	
820-19526-16	CWS-4 (0'-1.5')	Soluble	Solid	DI Leach	
820-19526-17	CFS-13 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-18	CFS-14 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-19	CWS-5 (0'-1.5')	Soluble	Solid	DI Leach	
820-19526-20	CWS-6 (0'-1.5')	Soluble	Solid	DI Leach	
MB 880-113000/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113000/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113000/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
820-19526-1 MS	CFS-1 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-1 MSD	CFS-1 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-11 MS	CFS-11 (1.0'-1.5')	Soluble	Solid	DI Leach	
820-19526-11 MSD	CFS-11 (1.0'-1.5')	Soluble	Solid	DI Leach	

Leach Batch: 113003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-21	CWS-7 (0'-1.5')	Soluble	Solid	DI Leach	
820-19526-22	CWS-8 (0'-1.5')	Soluble	Solid	DI Leach	
MB 880-113003/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113003/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113003/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
820-19526-21 MS	CWS-7 (0'-1.5')	Soluble	Solid	DI Leach	
820-19526-21 MSD	CWS-7 (0'-1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 113076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-1	CFS-1 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-2	CFS-2 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-3	CFS-3 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-4	CFS-4 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-5	CFS-5 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-6	CFS-6 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-7	CFS-7 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-8	CFS-8 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-9	CFS-9 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-10	CFS-10 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-11	CFS-11 (1.0'-1.5')	Soluble	Solid	300.0	113000

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Client: Terracon Consulting Eng & Scientists

Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19526-1

SDG: KH247059

HPLC/IC (Continued)

Analysis Batch: 113076 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-12	CFS-12 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-13	CWS-1 (0'-1.5')	Soluble	Solid	300.0	113000
820-19526-14	CWS-2 (0'-1.5')	Soluble	Solid	300.0	113000
820-19526-15	CWS-3 (0'-1.5')	Soluble	Solid	300.0	113000
820-19526-16	CWS-4 (0'-1.5')	Soluble	Solid	300.0	113000
820-19526-17	CFS-13 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-18	CFS-14 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-19	CWS-5 (0'-1.5')	Soluble	Solid	300.0	113000
820-19526-20	CWS-6 (0'-1.5')	Soluble	Solid	300.0	113000
MB 880-113000/1-A	Method Blank	Soluble	Solid	300.0	113000
LCS 880-113000/2-A	Lab Control Sample	Soluble	Solid	300.0	113000
LCSD 880-113000/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113000
820-19526-1 MS	CFS-1 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-1 MSD	CFS-1 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-11 MS	CFS-11 (1.0'-1.5')	Soluble	Solid	300.0	113000
820-19526-11 MSD	CFS-11 (1.0'-1.5')	Soluble	Solid	300.0	113000

Analysis Batch: 113081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19526-21	CWS-7 (0'-1.5')	Soluble	Solid	300.0	113003
820-19526-22	CWS-8 (0'-1.5')	Soluble	Solid	300.0	113003
MB 880-113003/1-A	Method Blank	Soluble	Solid	300.0	113003
LCS 880-113003/2-A	Lab Control Sample	Soluble	Solid	300.0	113003
LCSD 880-113003/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113003
820-19526-21 MS	CWS-7 (0'-1.5')	Soluble	Solid	300.0	113003
820-19526-21 MSD	CWS-7 (0'-1.5')	Soluble	Solid	300.0	113003

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Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Client Sample ID: CFS-1 (1.0'-1.5')

Date Collected: 06/20/25 10:36 Date Received: 06/23/25 12:07 Lab Sample ID: 820-19526-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 16:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 16:29	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 12:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 12:27	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		1			113076	06/26/25 00:38	CS	EET MID

Client Sample ID: CFS-2 (1.0'-1.5')

Lab Sample ID: 8

Date Collected: 06/20/25 10:40 Date Received: 06/23/25 12:07 Lab Sample ID: 820-19526-2

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run **Factor Amount** Amount Number or Analyzed **Analyst** Lab Total/NA 5035 112934 06/24/25 15:02 MNR EET MID Prep 4.98 g 5 mL Total/NA 8021B 5 mL 112978 06/25/25 16:50 MNR **EET MID** Analysis 5 mL 1 Total/NA Total BTEX Analysis 113019 06/25/25 16:50 SA **EET MID** 1 Total/NA 8015 NM **EET MID** Analysis 1 113188 06/26/25 13:12 SA Total/NA Prep 8015NM Prep 10.03 g 10 mL 112940 06/24/25 15:31 EL **EET MID** Total/NA 8015B NM Analysis 1 uL 1 uL 113145 06/26/25 13:12 TKC **EET MID** Soluble 5.04 g 50 mL Leach DI Leach 113000 06/25/25 11:01 SA **EET MID** 300.0 06/26/25 00:55 CS Soluble Analysis 1 113076 **EET MID**

Client Sample ID: CFS-3 (1.0'-1.5')

Lab Samp

Date Collected: 06/20/25 10:45 Date Received: 06/23/25 12:07 Lab Sample ID: 820-19526-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 17:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 13:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 13:27	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		1			113076	06/26/25 01:01	CS	EET MID

Client Sample ID: CFS-4 (1.0'-1.5')

Date Collected: 06/20/25 10:50 Date Received: 06/23/25 12:07 Lab Sample ID: 820-19526-4

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 17:30	SA	EET MID

SDG: KH247059

Client Sample ID: CFS-4 (1.0'-1.5')

Project/Site: Hognose Viper 23 Fed 1H

Client: Terracon Consulting Eng & Scientists

Date Collected: 06/20/25 10:50 Date Received: 06/23/25 12:07

Lab Sample ID: 820-19526-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			113188	06/26/25 13:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 13:42	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		1			113076	06/26/25 01:06	CS	EET MID

Client Sample ID: CFS-5 (1.0'-1.5') Lab Sample ID: 820-19526-5

Date Collected: 06/20/25 10:55 Date Received: 06/23/25 12:07

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 17:51	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 13:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 13:58	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		1			113076	06/26/25 01:12	CS	EET MID

Lab Sample ID: 820-19526-6 **Client Sample ID: CFS-6 (1.0'-1.5')**

Date Collected: 06/20/25 11:00 Date Received: 06/23/25 12:07 **Matrix: Solid**

Prep Type Total/NA Total/NA Total/NA	Batch Type Prep Analysis Analysis	Batch Method 5035 8021B Total BTEX	Run	Pactor 1 1	Initial Amount 4.95 g 5 mL	Final Amount 5 mL 5 mL	Batch Number 112934 112978 113019	Prepared or Analyzed 06/24/25 15:02 06/25/25 18:11 06/25/25 18:11	MNR SA	EET MID EET MID
Total/NA Total/NA Total/NA Soluble Soluble	Analysis Prep Analysis Leach Analysis	8015 NM 8015NM Prep 8015B NM DI Leach 300.0		1 1	10.01 g 1 uL 5.03 g	10 mL 1 uL 50 mL	113188 112940 113145 113000 113076	06/26/25 14:13 06/24/25 15:31 06/26/25 14:13 06/25/25 11:01 06/26/25 01:29	EL TKC SA	EET MID EET MID EET MID EET MID EET MID

Client Sample ID: CFS-7 (1.0'-1.5')

Date Collected: 06/20/25 11:05

Date Received: 06/23/25 12:07

Lab Sample ID: 820-19526-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 18:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 14:28	SA	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.04 g 1 uL	10 mL 1 uL	112940 113145	06/24/25 15:31 06/26/25 14:28		EET MID EET MID

SDG: KH247059

Client Sample ID: CFS-7 (1.0'-1.5')

Project/Site: Hognose Viper 23 Fed 1H

Client: Terracon Consulting Eng & Scientists

Date Collected: 06/20/25 11:05 Date Received: 06/23/25 12:07 Lab Sample ID: 820-19526-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		1			113076	06/26/25 01:35	CS	EET MID

Client Sample ID: CFS-8 (1.0'-1.5') Lab Sample ID: 820-19526-8 Matrix: Solid

Date Collected: 06/20/25 11:10 Date Received: 06/23/25 12:07

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 18:52	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 14:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 14:43	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113000	06/25/25 11:01	SA	EET MID

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Analysis **Client Sample ID: CFS-9 (1.0'-1.5')**

300.0

Date Collected: 06/20/25 11:15 Date Received: 06/23/25 12:07

Soluble

Lab Sample ID: 820-19526-9

06/26/25 01:40 CS

113076

Matrix: Solid

EET MID

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 19:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 19:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 14:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 14:58	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		1			113076	06/26/25 01:46	CS	EET MID

Client Sample ID: CFS-10 (1.0'-1.5')

Lab Sample ID: 820-19526-10 Date Collected: 06/20/25 11:20 **Matrix: Solid** Date Received: 06/23/25 12:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 19:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 19:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 15:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 15:13	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		1			113076	06/26/25 01:52	CS	EET MID

SDG: KH247059

Client Sample ID: CFS-11 (1.0'-1.5')

Client: Terracon Consulting Eng & Scientists

Project/Site: Hognose Viper 23 Fed 1H

Date Collected: 06/20/25 11:25 Date Received: 06/23/25 12:07 Lab Sample ID: 820-19526-11

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 21:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 21:23	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 15:44	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 15:44	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		1			113076	06/26/25 01:57	CS	EET MID

Client Sample ID: CFS-12 (1.0'-1.5') Lab Sample ID: 820-19526-12 **Matrix: Solid**

Date Collected: 06/20/25 11:30

Date Received: 06/23/25 12:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 21:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 21:44	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 15:59	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 15:59	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		1			113076	06/26/25 02:14	CS	EET MID

Client Sample ID: CWS-1 (0'-1.5')

Date Collected: 06/20/25 11:35 Date Received: 06/23/25 12:07

Lab Sample ID: 820-19526-13 **Matrix: Solid**

Lab Sample ID: 820-19526-14

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 22:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 22:04	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 16:14	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 16:14	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		1			113076	06/26/25 02:20	CS	EET MID

Client Sample ID: CWS-2 (0'-1.5')

Date Collected: 06/20/25 11:40

Date Received: 06/23/25 12:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 22:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 22:25	SA	EET MID

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Matrix: Solid

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Date Received: 06/23/25 12:07

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Client Sample ID: CWS-2 (0'-1.5') Lab Sample ID: 820-19526-14 Date Collected: 06/20/25 11:40

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			113188	06/26/25 16:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 16:30	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		1			113076	06/26/25 02:37	CS	EET MID

Client Sample ID: CWS-3 (0'-1.5') Lab Sample ID: 820-19526-15

Date Collected: 06/20/25 11:45 **Matrix: Solid**

Date Received: 06/23/25 12:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 22:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 22:45	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 16:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 16:45	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		1			113076	06/26/25 02:43	CS	EET MID

Lab Sample ID: 820-19526-16 Client Sample ID: CWS-4 (0'-1.5')

Date Collected: 06/20/25 11:50 **Matrix: Solid** Date Received: 06/23/25 12:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 23:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 23:05	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 17:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 17:00	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		10			113076	06/26/25 02:48	CS	EET MID

Client Sample ID: CFS-13 (1.0'-1.5') Lab Sample ID: 820-19526-17

Date Collected: 06/20/25 11:55 Date Received: 06/23/25 12:07

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 23:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 23:26	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 17:15	SA	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.05 g 1 uL	10 mL 1 uL	112940 113145	06/24/25 15:31 06/26/25 17:15		EET MID EET MID

Eurofins Lubbock

Matrix: Solid

SDG: KH247059

Client Sample ID: CFS-13 (1.0'-1.5')

Client: Terracon Consulting Eng & Scientists

Project/Site: Hognose Viper 23 Fed 1H

Date Collected: 06/20/25 11:55 Date Received: 06/23/25 12:07 Lab Sample ID: 820-19526-17

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		1			113076	06/26/25 02:54	CS	EET MID

Lab Sample ID: 820-19526-18 Client Sample ID: CFS-14 (1.0'-1.5')

Date Collected: 06/20/25 12:00 Date Received: 06/23/25 12:07

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/25/25 23:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/25/25 23:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 17:30	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 17:30	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		10			113076	06/26/25 03:00	CS	EET MID

Lab Sample ID: 820-19526-19 Client Sample ID: CWS-5 (0'-1.5')

Date Collected: 06/20/25 12:05 Date Received: 06/23/25 12:07

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/26/25 00:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/26/25 00:07	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 17:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 17:45	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		5			113076	06/26/25 03:05	CS	EET MID

Client Sample ID: CWS-6 (0'-1.5') Lab Sample ID: 820-19526-20 Date Collected: 06/20/25 12:10 **Matrix: Solid**

Date Received: 06/23/25 12:07

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	112934	06/24/25 15:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112978	06/26/25 00:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/26/25 00:27	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/26/25 18:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112940	06/24/25 15:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113145	06/26/25 18:00	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	113000	06/25/25 11:01	SA	EET MID
Soluble	Analysis	300.0		1			113076	06/26/25 03:11	CS	EET MID

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19526-1 SDG: KH247059

Lab Sample ID: 820-19526-21

Lab Sample ID: 820-19526-22

Matrix: Solid

Matrix: Solid

Client Sample ID: CWS-7 (0'-1.5')

Date Collected: 06/20/25 12:15 Date Received: 06/23/25 12:07

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	112847	06/24/25 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112842	06/24/25 23:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/24/25 23:16	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/27/25 08:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	112943	06/24/25 15:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113218	06/27/25 08:58	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113003	06/25/25 11:02	SA	EET MID
Soluble	Analysis	300.0		5			113081	06/26/25 03:56	CS	EET MID

Client Sample ID: CWS-8 (0'-1.5')

Date Collected: 06/20/25 12:20

Date Received: 06/23/25 12:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	112847	06/24/25 15:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	112842	06/24/25 23:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113019	06/24/25 23:36	SA	EET MID
Total/NA	Analysis	8015 NM		1			113188	06/27/25 09:47	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	112943	06/24/25 15:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113218	06/27/25 09:47	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	113003	06/25/25 11:02	SA	EET MID
Soluble	Analysis	300.0		20			113081	06/26/25 04:13	CS	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: Hognose Viper 23 Fed 1H

Job ID: 820-19526-1

SDG: KH247059

Laboratory: Eurofins Midland

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

uthority	Progra	am	Identification Number	Expiration Date
exas	NELAI	ס	T104704400	06-30-25
The following analyte:	s are included in this repo	rt but the laboratory is r	not certified by the governing authori	ity This list may includ
,	does not offer certification	•	tot ceruned by the governing dution	ity. This list may morac
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for which the agency	does not offer certification		, с с	

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Method Summary

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19526-1 SDG: KH247059

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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

820-19526-21

820-19526-22

Sample Summary

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

CWS-7 (0'-1.5')

CWS-8 (0'-1.5')

Job ID: 820-19526-1 SDG: KH247059

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
820-19526-1	CFS-1 (1.0'-1.5')	Solid	06/20/25 10:36	06/23/25 12:07
820-19526-2	CFS-2 (1.0'-1.5')	Solid	06/20/25 10:40	06/23/25 12:07
820-19526-3	CFS-3 (1.0'-1.5')	Solid	06/20/25 10:45	06/23/25 12:07
820-19526-4	CFS-4 (1.0'-1.5')	Solid	06/20/25 10:50	06/23/25 12:07
820-19526-5	CFS-5 (1.0'-1.5')	Solid	06/20/25 10:55	06/23/25 12:07
820-19526-6	CFS-6 (1.0'-1.5')	Solid	06/20/25 11:00	06/23/25 12:07
820-19526-7	CFS-7 (1.0'-1.5')	Solid	06/20/25 11:05	06/23/25 12:07
820-19526-8	CFS-8 (1.0'-1.5')	Solid	06/20/25 11:10	06/23/25 12:07
820-19526-9	CFS-9 (1.0'-1.5')	Solid	06/20/25 11:15	06/23/25 12:07
820-19526-10	CFS-10 (1.0'-1.5')	Solid	06/20/25 11:20	06/23/25 12:07
820-19526-11	CFS-11 (1.0'-1.5')	Solid	06/20/25 11:25	06/23/25 12:07
820-19526-12	CFS-12 (1.0'-1.5')	Solid	06/20/25 11:30	06/23/25 12:07
820-19526-13	CWS-1 (0'-1.5')	Solid	06/20/25 11:35	06/23/25 12:07
820-19526-14	CWS-2 (0'-1.5')	Solid	06/20/25 11:40	06/23/25 12:07
820-19526-15	CWS-3 (0'-1.5')	Solid	06/20/25 11:45	06/23/25 12:07
820-19526-16	CWS-4 (0'-1.5')	Solid	06/20/25 11:50	06/23/25 12:07
820-19526-17	CFS-13 (1.0'-1.5')	Solid	06/20/25 11:55	06/23/25 12:07
820-19526-18	CFS-14 (1.0'-1.5')	Solid	06/20/25 12:00	06/23/25 12:07
820-19526-19	CWS-5 (0'-1.5')	Solid	06/20/25 12:05	06/23/25 12:07
820-19526-20	CWS-6 (0'-1.5')	Solid	06/20/25 12:10	06/23/25 12:07

Solid

Solid

06/20/25 12:15 06/23/25 12:07

06/20/25 12:20 06/23/25 12:07

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Off.	Office Location		Lubbock, Texas	ock,	Texa	S		Contact:	Holly	Holly Taylor								Page 1 of 2	
Pro	Project Manager		Chuck Smith	k Smi	iţ														
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	10	KH247059					Hognose Viper 23 Fed 1H	Fed 1H			SS		Vu3						
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	6/20/2025	5 10:36		×			CFS-1 (1.0'-1.5')		1.0	1.5	П			×	×				
	6/20/2025	10:40		×			CFS-2 (1.0'-1.5')		1.0	1.5	1			×	×				
	6/20/2025	10:45		×			CFS-3 (1.0'-1.5')		1.0	1.5	T-			×	×				
	6/20/2025	5 10:50		×			CFS-4 (1.0'-1.5')		1.0	1.5	1			×	×				
	6/20/2025	5 10:55		×			CFS-5 (1.0'-1.5')		1.0	1.5	1			×	×				
	6/20/2025	11:00		×			CFS-6 (1.0'-1.5')		1.0	1.5	1			×	×				
	6/20/2025	5 11:05		×			CFS-7 (1.0'-1.5')		1.0	1.5	1			×	×				
	6/20/2025	11:10		×			CFS-8 (1.0'-1.5')		1.0	1.5	1			×	×				
	6/20/2025	5 11:15		×			CFS-9 (1.0'-1.5')		1.0	1.5	Ţ			×	×				
	6/20/2025	5 11:20		×			CFS-10 (1.0'-1.5')		1.0	1.5	1		_	×	×				
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AROUND TIME AROUND TIME AROUND TIME Breedwed by (Signature) Area by (Signature) Area by (Signature) Area by (Signature) Area and by (Signat	\dashv	6/20/2025		×		CWS-8 (0)'-1.5')						_					
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■ 5847 50th Street ■ Lubbock, Texas 79424 ■	atrix	ww.	-Wasiewater - 40 ml vial		W - Water A/G - Amber	S - Soil 250 ml = Glass wide	L · Liquid	ic or atherWipe	C - Charcoal (aqn	St - Sludge							
						Lubbock Offic		30th Street	= Lu	bbock	, Texas 7		806-3	10-00	40			

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-19526-1 SDG Number: KH247059

List Source: Eurofins Lubbock

Login Number: 19526 List Number: 1

Creator: Guillen, Kyrstin

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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Eurofins Lubbock

Released to Imaging: 9/15/2025 3:50:35 PM

<6mm (1/4").

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-19526-1

SDG Number: KH247059

Login Number: 19526 **List Source: Eurofins Midland** List Creation: 06/24/25 02:59 PM List Number: 2

Creator: Rios, Minerva

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	

Released to Imaging: 9/15/2025 3:50:35 PM

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Chuck Smith Terracon Consulting Eng & Scientists 5847 50th St Lubbock, Texas 79424

Generated 7/10/2025 12:44:25 PM

JOB DESCRIPTION

Hognose Viper 23 Fed 1H KH247059

JOB NUMBER

820-19722-1

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

Generated 7/10/2025 12:44:25 PM

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

Eurofins Lubbock is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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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.
- · 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).

JURAMER

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Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H Laboratory Job ID: 820-19722-1 SDG: KH247059

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19722-1 SDG: KH247059

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Qualifiers

GC VOA

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

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.

Eisted under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Job ID: 820-19722-1

Case Narrative

Client: Terracon Consulting Eng & Scientists

Project: Hognose Viper 23 Fed 1H

Job ID: 820-19722-1

Eurofins Lubbock

Job Narrative 820-19722-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 7/7/2025 12:18 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 4.5°C.

GC VOA

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

Diesel Range Organics

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 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-113798 and analytical batch 880-113809 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.

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: Hognose Viper 23 Fed 1H

Job ID: 820-19722-1

Lab Sample ID: 820-19722-1

SDG: KH247059

Matrix: Solid

Client Sample ID: CWS-8.1 (0-1.5)

Date Collected: 07/03/25 11:40 Date Received: 07/07/25 12:18

Sample Depth: 0 - 1.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 13:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 13:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 13:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/25 10:21	07/08/25 13:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 13:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/25 10:21	07/08/25 13:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				07/08/25 10:21	07/08/25 13:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130				07/08/25 10:21	07/08/25 13:46	1
- Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	II	0.00400		mg/Kg			07/08/25 13:46	1

Method: SW846 8015 NM - Diesel R	Range Organic	:s (DRO) (G	C)					
Analyte	Result (Qualifier	RL	MDL Uni	t D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 L	J	50.0	mg	/Kg		07/10/25 02:43	1
_								

Method: SW846 8015B NM - Dies	ethod: 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		07/08/25 08:08	07/10/25 02:43	1			
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/08/25 08:08	07/10/25 02:43	1			
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/25 08:08	07/10/25 02:43	1			
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac			
1-Chlorooctane	106		70 - 130				07/08/25 08:08	07/10/25 02:43	1			
o-Terphenyl	111		70 - 130				07/08/25 08:08	07/10/25 02:43	1			

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	824		10.1		mg/Kg			07/09/25 11:52	1

Client Sample ID: CFS-15 (0-1.5)

Date Collected: 07/03/25 11:45 Date Received: 07/07/25 12:18

Sample Depth: 0 - 1.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 14:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 14:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 14:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/08/25 10:21	07/08/25 14:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 14:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/08/25 10:21	07/08/25 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				07/08/25 10:21	07/08/25 14:06	

Eurofins Lubbock

Lab Sample ID: 820-19722-2

Matrix: Solid

Client Sample Results

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H Job ID: 820-19722-1 SDG: KH247059

SDG: KH247059

Client Sample ID: CFS-15 (0-1.5)

Date Collected: 07/03/25 11:45 Date Received: 07/07/25 12:18 Lab Sample ID: 820-19722-2 Matrix: Solid

07/08/25 08:08

Prepared

D

07/10/25 02:58

Analyzed

07/09/25 11:58

Sample Depth: 0 - 1.5

o-Terphenyl

Analyte

Chloride

and provide a pr									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	(Continued)						
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130				07/08/25 10:21	07/08/25 14:06	1
— Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/08/25 14:06	1
_									
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			07/10/25 02:58	1
 Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		07/08/25 08:08	07/10/25 02:58	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/08/25 08:08	07/10/25 02:58	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/08/25 08:08	07/10/25 02:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/08/25 08:08	07/10/25 02:58	

70 - 130

RL

49.6

MDL Unit

mg/Kg

109

2980

Result Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Surrogate Summary

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19722-1

SDG: KH247059

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
820-19722-1	CWS-8.1 (0-1.5)	81	99	
820-19722-2	CFS-15 (0-1.5)	89	98	
890-8386-A-1-E MS	Matrix Spike	105	94	
890-8386-A-1-F MSD	Matrix Spike Duplicate	114	100	
LCS 880-113754/1-A	Lab Control Sample	91	106	
LCSD 880-113754/2-A	Lab Control Sample Dup	111	95	
MB 880-113754/5-A	Method Blank	83	95	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

=			
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
820-19722-1	CWS-8.1 (0-1.5)	106	111
820-19722-2	CFS-15 (0-1.5)	104	109
890-8390-A-2-E MS	Matrix Spike	96	108
890-8390-A-2-F MSD	Matrix Spike Duplicate	95	108
LCS 880-113734/2-A	Lab Control Sample	92	106
LCSD 880-113734/3-A	Lab Control Sample Dup	93	107
MB 880-113734/1-A	Method Blank	96	99

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19722-1

SDG: KH247059

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-113754/5-A

Lab Sample ID: LCS 880-113754/1-A

Matrix: Solid

Analysis Batch: 113739

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113754

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/08/25 10:21	07/08/25 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/08/25 10:21	07/08/25 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/08/25 10:21	07/08/25 11:40	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	07/08/25 10:21	07/08/25 11:40	1
1,4-Difluorobenzene (Surr)	95		70 - 130	07/08/25 10:21	07/08/25 11:40	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113754

Spike	LCS	LCS				%Rec	
Added	Result	Qualifier	Unit	D	%Rec	Limits	
0.100	0.09969		mg/Kg		100	70 - 130	
0.100	0.1018		mg/Kg		102	70 - 130	
0.100	0.1037		mg/Kg		104	70 - 130	
0.200	0.1969		mg/Kg		98	70 - 130	
0.100	0.09914		mg/Kg		99	70 - 130	
	Added 0.100 0.100 0.100 0.100 0.200	Added Result 0.100 0.09969 0.100 0.1018 0.100 0.1037 0.200 0.1969	Added Result Qualifier 0.100 0.09969 0.100 0.1018 0.100 0.1037 0.200 0.1969	Added Result Qualifier Unit 0.100 0.09969 mg/Kg 0.100 0.1018 mg/Kg 0.100 0.1037 mg/Kg 0.200 0.1969 mg/Kg	Added Result Qualifier Unit D 0.100 0.09969 mg/Kg 0.100 0.1018 mg/Kg 0.100 0.1037 mg/Kg 0.200 0.1969 mg/Kg	Added Result Qualifier Unit D %Rec 0.100 0.09969 mg/Kg 100 0.100 0.1018 mg/Kg 102 0.100 0.1037 mg/Kg 104 0.200 0.1969 mg/Kg 98	Added Result Qualifier Unit D %Rec Limits 0.100 0.09969 mg/Kg 100 70 - 130 0.100 0.1018 mg/Kg 102 70 - 130 0.100 0.1037 mg/Kg 104 70 - 130 0.200 0.1969 mg/Kg 98 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	91	70 - 130
1,4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: LCSD 880-113754/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 113739

Analysis Batch: 113739

Client Sample ID: Lab Control Sample Dup	Client Sam	ple ID: Lab	Control Sam	ple Dup
--	------------	-------------	--------------------	---------

Prep Type: Total/NA

Prep Batch: 113754

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09035		mg/Kg		90	70 - 130	10	35
Toluene	0.100	0.09556		mg/Kg		96	70 - 130	6	35
Ethylbenzene	0.100	0.1059		mg/Kg		106	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2358		mg/Kg		118	70 - 130	18	35
o-Xylene	0.100	0.1184		mg/Kg		118	70 - 130	18	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1.4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-8386-A-1-E MS

Matrix: Solid

Analysis Batch: 113739

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 113754

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.08554		mg/Kg		86	70 - 130	
Toluene	< 0.00200	U	0.100	0.09042		mg/Kg		90	70 - 130	

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QC Sample Results

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19722-1 SDG: KH247059

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

Lab Sample ID: 890-8386-A-1-E MS

Matrix: Solid

Analysis Batch: 113739

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 113754

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00200 U 0.100 0.1073 70 - 130 mg/Kg 107 m-Xylene & p-Xylene <0.00399 0.200 0.1961 mg/Kg 98 70 - 130 o-Xylene <0.00200 U 0.100 0.09879 99 70 - 130 mg/Kg

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 113754

Analysis Batch: 113739

Matrix: Solid

Lab Sample ID: 890-8386-A-1-F MSD

Sample Sample Spike MSD MSD %Rec Result Qualifier %Rec RPD Limit Analyte babbA Result Qualifier Limits Unit Benzene <0.00200 U 0.100 0.08715 mg/Kg 87 70 - 130 2 35 Toluene <0.00200 0.100 0.08625 mg/Kg 86 70 - 130 5 35 Ethylbenzene <0.00200 0.100 0.09224 92 70 - 130 15 35 U mg/Kg 0.200 m-Xylene & p-Xylene <0.00399 U 0.1698 mg/Kg 85 70 - 130 14 35 <0.00200 U 0.100 0.08825 88 70 - 130 o-Xylene mg/Kg 11

MSD MSD

Surrogate	%Recovery Qu	alifier Limits
4-Bromofluorobenzene (Surr)	114	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

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

Lab Sample ID: MB 880-113734/1-A

Matrix: Solid

Analysis Batch: 113843

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113734

Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Analyte 50.0 07/08/25 07:59 <50.0 U 07/09/25 23:47 Gasoline Range Organics mg/Kg (GRO)-C6-C10 07/09/25 23:47 Diesel Range Organics (Over <50.0 U 50.0 07/08/25 07:59 mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <50.0 U 50.0 07/08/25 07:59 07/09/25 23:47

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	07/08/25 07:59	07/09/25 23:47	1
o-Terphenyl	99		70 - 130	07/08/25 07:59	07/09/25 23:47	1

mg/Kg

Lab Sample ID: LCS 880-113734/2-A

Analysis Batch: 113843

Matrix: Solid

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113734

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	992.4		mg/Kg		99	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1069		mg/Kg		107	70 - 130	
C10-C28)								

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19722-1 SDG: KH247059

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

Lab Sample ID: LCS 880-113734/2-A

Matrix: Solid

Analysis Batch: 113843

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113734

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 92 70 - 130 o-Terphenyl 106 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 113734

Lab Sample ID: LCSD 880-113734/3-A **Matrix: Solid**

Analysis Batch: 113843

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1004		mg/Kg		100	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1069		mg/Kg		107	70 - 130	0	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 890-8390-A-2-E MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 113843

Prep Type: Total/NA Prep Batch: 113734 Sample Sample Spike MS MS %Rec

Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U 1000 912.4 mg/Kg 91 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 1000 1031 mg/Kg 103 70 - 130

C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 96 o-Terphenyl 108 70 - 130

Lab Sample ID: 890-8390-A-2-F MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 113843

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics <50.0 U 1000 905.1 91 70 - 130 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 1000 1032 mg/Kg 103 70 - 130 20

C10-C28)

MSD MSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	95	70 - 130
o-Terphenvl	108	70 - 130

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Prep Batch: 113734

QC Sample Results

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19722-1

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

SDG: KH247059

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-113798/1-A

Matrix: Solid

Analysis Batch: 113809

MB MB

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 mg/Kg 07/09/25 09:42

Lab Sample ID: LCS 880-113798/2-A

Matrix: Solid

Analysis Batch: 113809

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 250.9 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-113798/3-A

Matrix: Solid

Analysis Batch: 113809

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 245.8 mg/Kg 90 - 110

Lab Sample ID: 880-60124-A-4-B MS

Matrix: Solid

Analysis Batch: 113809

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 1760 F1 1260 3298 F1 122 90 - 110 mg/Kg

Lab Sample ID: 880-60124-A-4-C MSD

Matrix: Solid

Analysis Batch: 113809

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 1760 F1 1260 3267 F1 Chloride mg/Kg 119 90 - 110 20

QC Association Summary

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19722-1 SDG: KH247059

GC VOA

Analysis Batch: 113739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19722-1	CWS-8.1 (0-1.5)	Total/NA	Solid	8021B	113754
820-19722-2	CFS-15 (0-1.5)	Total/NA	Solid	8021B	113754
MB 880-113754/5-A	Method Blank	Total/NA	Solid	8021B	113754
LCS 880-113754/1-A	Lab Control Sample	Total/NA	Solid	8021B	113754
LCSD 880-113754/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	113754
890-8386-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	113754
890-8386-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	113754

Prep Batch: 113754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19722-1	CWS-8.1 (0-1.5)	Total/NA	Solid	5035	
820-19722-2	CFS-15 (0-1.5)	Total/NA	Solid	5035	
MB 880-113754/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-113754/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-113754/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8386-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-8386-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 113780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19722-1	CWS-8.1 (0-1.5)	Total/NA	Solid	Total BTEX	
820-19722-2	CFS-15 (0-1.5)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 113734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19722-1	CWS-8.1 (0-1.5)	Total/NA	Solid	8015NM Prep	
820-19722-2	CFS-15 (0-1.5)	Total/NA	Solid	8015NM Prep	
MB 880-113734/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-113734/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-113734/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8390-A-2-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8390-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 113843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19722-1	CWS-8.1 (0-1.5)	Total/NA	Solid	8015B NM	113734
820-19722-2	CFS-15 (0-1.5)	Total/NA	Solid	8015B NM	113734
MB 880-113734/1-A	Method Blank	Total/NA	Solid	8015B NM	113734
LCS 880-113734/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	113734
LCSD 880-113734/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	113734
890-8390-A-2-E MS	Matrix Spike	Total/NA	Solid	8015B NM	113734
890-8390-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	113734

Analysis Batch: 113888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19722-1	CWS-8.1 (0-1.5)	Total/NA	Solid	8015 NM	
820-19722-2	CFS-15 (0-1.5)	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H Job ID: 820-19722-1 SDG: KH247059

HPLC/IC

Leach Batch: 113798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19722-1	CWS-8.1 (0-1.5)	Soluble	Solid	DI Leach	
820-19722-2	CFS-15 (0-1.5)	Soluble	Solid	DI Leach	
MB 880-113798/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-113798/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-113798/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-60124-A-4-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-60124-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 113809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19722-1	CWS-8.1 (0-1.5)	Soluble	Solid	300.0	113798
820-19722-2	CFS-15 (0-1.5)	Soluble	Solid	300.0	113798
MB 880-113798/1-A	Method Blank	Soluble	Solid	300.0	113798
LCS 880-113798/2-A	Lab Control Sample	Soluble	Solid	300.0	113798
LCSD 880-113798/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	113798
880-60124-A-4-B MS	Matrix Spike	Soluble	Solid	300.0	113798
880-60124-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	113798

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19722-1 SDG: KH247059

Lab Sample ID: 820-19722-1

Lab Sample ID: 820-19722-2

Matrix: Solid

Matrix: Solid

Client Sample ID: CWS-8.1 (0-1.5)

Date Collected: 07/03/25 11:40 Date Received: 07/07/25 12:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	113754	07/08/25 10:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113739	07/08/25 13:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113780	07/08/25 13:46	SA	EET MID
Total/NA	Analysis	8015 NM		1			113888	07/10/25 02:43	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113734	07/08/25 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113843	07/10/25 02:43	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	113798	07/09/25 08:41	SA	EET MID
Soluble	Analysis	300.0		1			113809	07/09/25 11:52	CS	EET MID

Client Sample ID: CFS-15 (0-1.5)

Date Collected: 07/03/25 11:45

Date Received: 07/07/25 12:18

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	113754	07/08/25 10:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	113739	07/08/25 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			113780	07/08/25 14:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			113888	07/10/25 02:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	113734	07/08/25 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	113843	07/10/25 02:58	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	113798	07/09/25 08:41	SA	EET MID
Soluble	Analysis	300.0		5			113809	07/09/25 11:58	CS	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: Hognose Viper 23 Fed 1H Job ID: 820-19722-1 SDG: KH247059

Laboratory: Eurofins Midland

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

Authority	Progra	ım	Identification Number	Expiration Date
Texas	NELAF)	T104704400	06-30-26
The following englytes				
0 ,	• •	t the laboratory is not certifi	ied by the governing authority. This lis	st may include analyte
,	are included in this report, bu bes not offer certification.	t the laboratory is not certifi	led by the governing authority. This lis	st may include analyte
,	• •	t the laboratory is not certifi Matrix	led by the governing authority. I his lis Analyte	st may include analyte
for which the agency d	oes not offer certification.	•	, , ,	st may include analyte

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Method Summary

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19722-1

SDG: KH247059

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

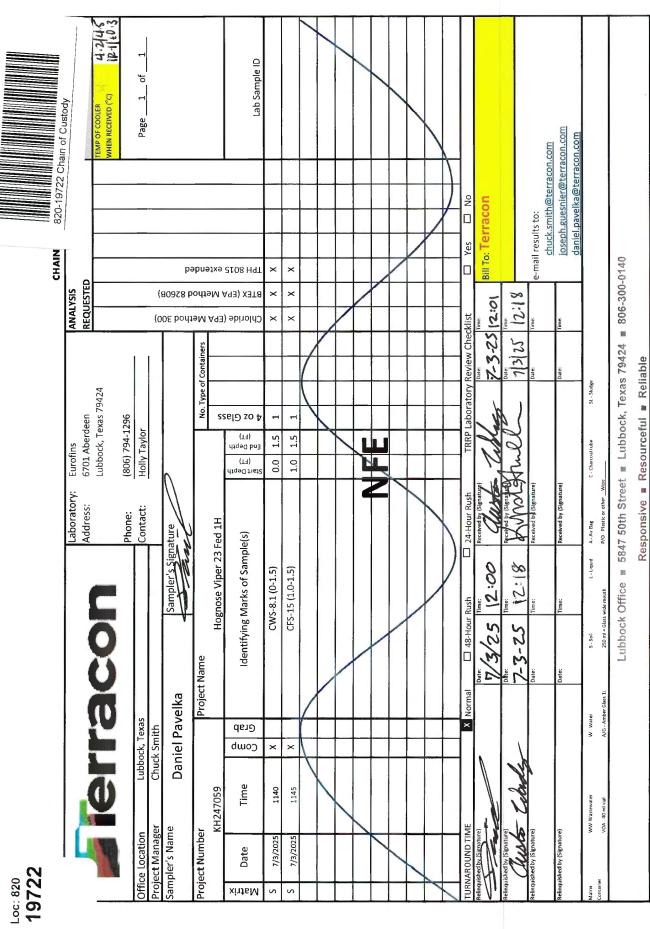
Sample Summary

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19722-1

SDG: KH247059

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
820-19722-1	CWS-8.1 (0-1.5)	Solid	07/03/25 11:40	07/07/25 12:18	0 - 1.5
820-19722-2	CFS-15 (0-1.5)	Solid	07/03/25 11:45	07/07/25 12:18	0 - 1.5



Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-19722-1

SDG Number: KH247059

Login Number: 19722 List Source: Eurofins Lubbock

List Number: 1 Creator: Guillen, Kyrstin

Question Answer Comment The cooler's custody seal, if present, is intact. N/A N/A Sample custody seals, if present, are intact. The cooler or samples do not appear to have been compromised or True tampered with. Samples were received on ice. True True Cooler Temperature is acceptable. 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 True HTs) Sample containers have legible labels. True Containers are not broken or leaking. True Sample collection date/times are provided. True Appropriate sample containers are used. True Sample bottles are completely filled. True Sample Preservation Verified. True There is sufficient vol. for all requested analyses, incl. any requested True MS/MSDs Containers requiring zero headspace have no headspace or bubble is N/A

Eurofins Lubbock

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<6mm (1/4").

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4.0

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Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-19722-1

SDG Number: KH247059

List Source: Eurofins Midland

List Creation: 07/08/25 10:58 AM

List Number: 2 Creator: Vasquez, Julisa

Login Number: 19722

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	N/A	

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Joseph Guesnier Terracon Consulting Eng & Scientists 5847 50th St Lubbock, Texas 79424

Generated 7/17/2025 12:39:16 PM

JOB DESCRIPTION

Hognose Viper 23 Fed 1H KH247059

JOB NUMBER

820-19879-1

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 <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 .

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Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H Laboratory Job ID: 820-19879-1 SDG: KH247059

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19879-1

SDG: KH247059

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

₩ Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid Colony Forming Unit CFU **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) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

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

Toxicity Equivalent Factor (Dioxin) TFF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: Terracon Consulting Eng & Scientists

Project: Hognose Viper 23 Fed 1H

Job ID: 820-19879-1

Job ID: 820-19879-1 Eurofins Lubbock

Job Narrative 820-19879-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 sample was received on 7/15/2025 9:23 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.1°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: BFS-1 (820-19879-1)

GC VOA

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

Diesel Range Organics

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.

Eurofins Lubbock

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Client Sample Results

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19879-1

SDG: KH247059

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Matrix: Solid

ab Sam	ple II): 820	-1987	79-1
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Date Collected: 07/14/25 15:20 Date Received: 07/15/25 09:23

Client Sample ID: BFS-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/16/25 20:24	07/16/25 23:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/16/25 20:24	07/16/25 23:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/16/25 20:24	07/16/25 23:48	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		07/16/25 20:24	07/16/25 23:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/16/25 20:24	07/16/25 23:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/16/25 20:24	07/16/25 23:48	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	112		70 - 130				07/16/25 20:24	07/16/25 23:48	
1,4-Difluorobenzene (Surr)	94		70 - 130				07/16/25 20:24	07/16/25 23:48	
Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/16/25 23:48	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/17/25 04:00	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (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		07/16/25 08:25	07/17/25 04:00	1
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		07/16/25 08:25	07/17/25 04:00	1
C10-C28) Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/16/25 08:25	07/17/25 04:00	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane (Surr)			70 - 130				07/16/25 08:25	07/17/25 04:00	
o-Terphenyl (Surr)	100		70 - 130				07/16/25 08:25	07/17/25 04:00	1
Method: EPA 300.0 - Anions, Ion	Chromatogran	hv - Solubi	le						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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Surrogate Summary

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19879-1

SDG: KH247059

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
820-19879-1	BFS-1	112	94	
820-19879-1 MS	BFS-1	96	101	
820-19879-1 MSD	BFS-1	99	106	
LCS 880-114301/1-A	Lab Control Sample	98	109	
LCSD 880-114301/2-A	Lab Control Sample Dup	98	102	
MB 880-114291/8	Method Blank	102	93	
MB 880-114301/5-A	Method Blank	99	91	

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)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
820-19879-1	BFS-1	111	100	
890-8450-A-1-L MS	Matrix Spike	103	100	
890-8450-A-1-M MSD	Matrix Spike Duplicate	104	101	
LCS 880-114246/2-A	Lab Control Sample	107	107	
LCSD 880-114246/3-A	Lab Control Sample Dup	108	107	
MB 880-114246/1-A	Method Blank	103	94	

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19879-1

SDG: KH247059

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114291/8

Matrix: Solid

Analysis Batch: 114291

Client	Sample	ID:	Meth	od	Bla	nk
	D.	<u> '</u>	T	T -	4-1/8	1.4

Prep Type: Total/NA MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			07/16/25 16:28	1
Toluene	<0.00200	U	0.00200		mg/Kg			07/16/25 16:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			07/16/25 16:28	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg			07/16/25 16:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			07/16/25 16:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			07/16/25 16:28	1

	MB	MB					
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	_		07/16/25 16:28	1
1,4-Difluorobenzene (Surr)	93		70 - 130			07/16/25 16:28	1

Lab Sample ID: MB 880-114301/5-A **Matrix: Solid**

Analysis Batch: 114291

Client Sample ID: Method Blank Prep Type: Total/NA **Prep Batch: 114301**

MR MR Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 07/16/25 20:24 07/16/25 23:27 Toluene <0.00200 U 0.00200 mg/Kg 07/16/25 20:24 07/16/25 23:27 Ethylbenzene <0.00200 U 0.00200 07/16/25 20:24 07/16/25 23:27 mg/Kg 07/16/25 23:27 m,p-Xylenes <0.00400 U 0.00400 mg/Kg 07/16/25 20:24 o-Xylene <0.00200 U 0.00200 mg/Kg 07/16/25 20:24 07/16/25 23:27 Xylenes, Total <0.00400 U 0.00400 07/16/25 20:24 07/16/25 23:27 mg/Kg

> MB MB %Recovery Qualifier

70 - 130
70 - 130

rrepareu	Allalyzeu	Diriac
07/16/25 20:24	07/16/25 23:27	1
07/16/25 20:24	07/16/25 23:27	1

70 - 130

Client Sample ID: Lab Control Sample Dup

Analyzod

Prep Type: Total/NA

Prep Batch: 114301

Dil Esc

Dronarod

106

Lab Sample ID: LCS 880-114301/1-A Client Sample ID: Lab Control Sample

Limits

Matrix: Solid Analysis Batch: 114291

Surrogate

o-Xylene

Analyte Benzene

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1056 mg/Kg 106 70 - 130 Toluene 0.100 0.09573 mg/Kg 96 70 - 130 Ethylbenzene 0.100 0.1081 mg/Kg 108 70 - 130 m,p-Xylenes 0.200 0.2152 mg/Kg 108 70 - 130

0.1059

0.100

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-114301/2-A

Matrix: Solid

Analysis Batch: 114291

						Prep 1	ype: To	tal/NA	
						Prep I	3atch: 1	14301	
Spike	LCSD	LCSD				%Rec		RPD	
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
0.100	0.1001		mg/Kg		100	70 - 130	5	35	

mg/Kg

Eurofins Lubbock

Page 8 of 20

QC Sample Results

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19879-1

SDG: KH247059

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

Lab Sample ID: LCSD 880-114301/2-A **Matrix: Solid**

Analysis Batch: 114291

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA **Prep Batch: 114301**

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit D Toluene 0.100 0.09540 95 70 - 130 35 mg/Kg 0 Ethylbenzene 0.100 0.1072 mg/Kg 107 70 - 130 35 0.200 70 - 130 m,p-Xylenes 0.2130 mg/Kg 107 35 o-Xylene 0.100 0.1056 mg/Kg 106 70 - 130

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 820-19879-1 MS

Matrix: Solid

Analysis Batch: 114291

Client Sample ID: BFS-1 Prep Type: Total/NA

Prep Batch: 114301

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.1003		mg/Kg		100	70 - 130	
Toluene	<0.00200	U	0.100	0.09348		mg/Kg		93	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.1034		mg/Kg		103	70 - 130	
m,p-Xylenes	<0.00399	U	0.200	0.2037		mg/Kg		102	70 - 130	
o-Xylene	<0.00200	U	0.100	0.1021		mg/Kg		102	70 - 130	

MS MS

Surrogate	%Recovery Qualitier	Limits
4-Bromofluorobenzene (Surr)	96	70 - 130
1.4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: 820-19879-1 MSD

Matrix: Solid

Analysis Batch: 114291

Client Sample ID: BFS-1

Prep Type: Total/NA

Prep Batch: 114301

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.09645		mg/Kg		96	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.09337		mg/Kg		93	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.100	0.1007		mg/Kg		101	70 - 130	3	35
m,p-Xylenes	<0.00399	U	0.200	0.2000		mg/Kg		100	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.1004		mg/Kg		100	70 - 130	2	35

MSD MSD

Surrogate	76Recovery	Qualifier	LIIIIII
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

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

Lab Sample ID: MB 880-114246/1-A

Matrix: Solid

Analysis Batch: 114289

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

Prep Batch: 114246

мв мв Result Qualifier MDL Unit Prepared Gasoline Range Organics <50.0 U 50.0 07/16/25 08:25 07/16/25 22:00 mg/Kg

(GRO)-C6-C10

Dil Fac

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19879-1

SDG: KH247059

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

Lab Sample ID: MB 880-114246/1-A

Matrix: Solid

Analysis Batch: 114289

Client Sample ID: Method Blank

Analyzed

Prepared

Prep Type: Total/NA

Prep Batch: 114246

	INIB	MR			
nalyte	Result	Qualifier	RL	MDL	Unit

Diesel Range Organics (Over 50.0 07/16/25 08:25 07/16/25 22:00 <50.0 U mg/Kg C10-C28) Oil Range Organics (Over C28-C36) 50.0 07/16/25 08:25 07/16/25 22:00 <50.0 U mg/Kg

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	103		70 - 130	0	7/16/25 08:25	07/16/25 22:00	1
o-Terphenyl (Surr)	94		70 - 130	03	7/16/25 08:25	07/16/25 22:00	1

Lab Sample ID: LCS 880-114246/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 114289

Prep Type: Total/NA

Prep Batch: 114246

	Spike	LUS	LUS				70 KeC	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1091		mg/Kg		109	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1076		mg/Kg		108	70 - 130	
040,000)								

C10-C28)

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane (Surr)	107	70 - 130
o-Terphenyl (Surr)	107	70 - 130

Lab Sample ID: LCSD 880-114246/3-A

Matrix: Solid

Analysis Batch: 114289

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 114246

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1081		mg/Kg		108	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1086		mg/Kg		109	70 - 130	1	20
C10-C28)									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	108		70 - 130
o-Terphenyl (Surr)	107		70 - 130

Lab Sample ID: 890-8450-A-1-L MS

Matrix: Solid

Analysis Batch: 114289

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 114246

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.7	U	1000	953.1		mg/Kg		95	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.7	U	1000	1008		mg/Kg		101	70 - 130	

C10-C28)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	103		70 - 130
o-Terphenvl (Surr)	100		70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19879-1

SDG: KH247059

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

Lab Sample ID: 890-8450-A-1-M MSD **Matrix: Solid**

Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Prep Batch: 114246

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.7	U	1000	977.7		mg/Kg		98	70 - 130	3	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.7	U	1000	1015		mg/Kg		101	70 - 130	1	20
C10 C20)											

C10-C28)

MSD MSD

Surrogate Qualifier %Recovery Limits 70 - 130 1-Chlorooctane (Surr) 104

o-Terphenyl (Surr) 101 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114286/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 114292

Analysis Batch: 114289

MB MB Result Qualifier MDL Analyte RL Unit D Prepared Analyzed Dil Fac Chloride <10.0 10.0 07/16/25 14:25 mg/Kg

Lab Sample ID: LCS 880-114286/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 114292

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 232.8 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-114286/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 114292

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec RPD Limits Limit Chloride 250 230.5 92 90 - 110 mg/Kg

Lab Sample ID: 880-60381-A-7-B MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 114292

Sample Sample Spike MS MS %Rec Qualifier Added Qualifier Analyte Result Result %Rec Limits Unit Chloride 249 90 - 110 171 410.5 mg/Kg

Lab Sample ID: 880-60381-A-7-C MSD

Client Sample ID: Matrix Spike Duplicate Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 114292

Sample Sample Spike MSD MSD %Rec RPD Qualifier Added Qualifier Result Result %Rec Limits RPD Limit Analyte Unit D 249 Chloride 171 421.1 101 90 - 110 20 mg/Kg

Eurofins Lubbock

Prep Type: Soluble

QC Association Summary

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H Job ID: 820-19879-1 SDG: KH247059

GC VOA

Analysis Batch: 114291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19879-1	BFS-1	Total/NA	Solid	8021B	114301
MB 880-114291/8	Method Blank	Total/NA	Solid	8021B	
MB 880-114301/5-A	Method Blank	Total/NA	Solid	8021B	114301
LCS 880-114301/1-A	Lab Control Sample	Total/NA	Solid	8021B	114301
LCSD 880-114301/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114301
820-19879-1 MS	BFS-1	Total/NA	Solid	8021B	114301
820-19879-1 MSD	BFS-1	Total/NA	Solid	8021B	114301

Prep Batch: 114301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19879-1	BFS-1	Total/NA	Solid	5035	
MB 880-114301/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114301/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114301/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-19879-1 MS	BFS-1	Total/NA	Solid	5035	
820-19879-1 MSD	BFS-1	Total/NA	Solid	5035	

Analysis Batch: 114378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19879-1	BFS-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 114246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19879-1	BFS-1	Total/NA	Solid	8015NM Prep	
MB 880-114246/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114246/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114246/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8450-A-1-L MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8450-A-1-M MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 114289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19879-1	BFS-1	Total/NA	Solid	8015B NM	114246
MB 880-114246/1-A	Method Blank	Total/NA	Solid	8015B NM	114246
LCS 880-114246/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114246
LCSD 880-114246/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114246
890-8450-A-1-L MS	Matrix Spike	Total/NA	Solid	8015B NM	114246
890-8450-A-1-M MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	114246

Analysis Batch: 114369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19879-1	BFS-1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 114286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
820-19879-1	BFS-1	Soluble	Solid	DI Leach
MB 880-114286/1-A	Method Blank	Soluble	Solid	DI Leach
LCS 880-114286/2-A	Lab Control Sample	Soluble	Solid	DI Leach

Eurofins Lubbock

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QC Association Summary

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H Job ID: 820-19879-1 SDG: KH247059

HPLC/IC (Continued)

Leach Batch: 114286 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-114286/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-60381-A-7-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-60381-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 114292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-19879-1	BFS-1	Soluble	Solid	300.0	114286
MB 880-114286/1-A	Method Blank	Soluble	Solid	300.0	114286
LCS 880-114286/2-A	Lab Control Sample	Soluble	Solid	300.0	114286
LCSD 880-114286/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114286
880-60381-A-7-B MS	Matrix Spike	Soluble	Solid	300.0	114286
880-60381-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	114286

Eurofins Lubbock

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H Job ID: 820-19879-1 SDG: KH247059

3DG. KH247039

Lab Sample ID: 820-19879-1

Matrix: Solid

Client Sample ID: BFS-1 Date Collected: 07/14/25 15:20

Date Received: 07/15/25 09:23

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114301	07/16/25 20:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114291	07/16/25 23:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114378	07/16/25 23:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			114369	07/17/25 04:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	114246	07/16/25 08:25	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114289	07/17/25 04:00	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114286	07/16/25 13:16	SA	EET MID
Soluble	Analysis	300.0		1			114292	07/16/25 17:37	CS	EET MID

Laboratory References:

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

Eurofins Lubbock

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Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19879-1

SDG: KH247059

Laboratory: Eurofins Midland

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

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELAF	0	T104704400	06-30-26
,		t the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
for which the agency of	oes not offer certification.			
Analysis Method	oes not offer certification . Prep Method	Matrix	Analyte	
,		Matrix Solid	Analyte Total TPH	

Method Summary

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19879-1

SDG: K

CH247059	

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

Eurofins Lubbock

Sample Summary

Client: Terracon Consulting Eng & Scientists Project/Site: Hognose Viper 23 Fed 1H

Job ID: 820-19879-1

SDG: KH247059

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
820-19879-1	BFS-1	Solid	07/14/25 15:20	07/15/25 09:23

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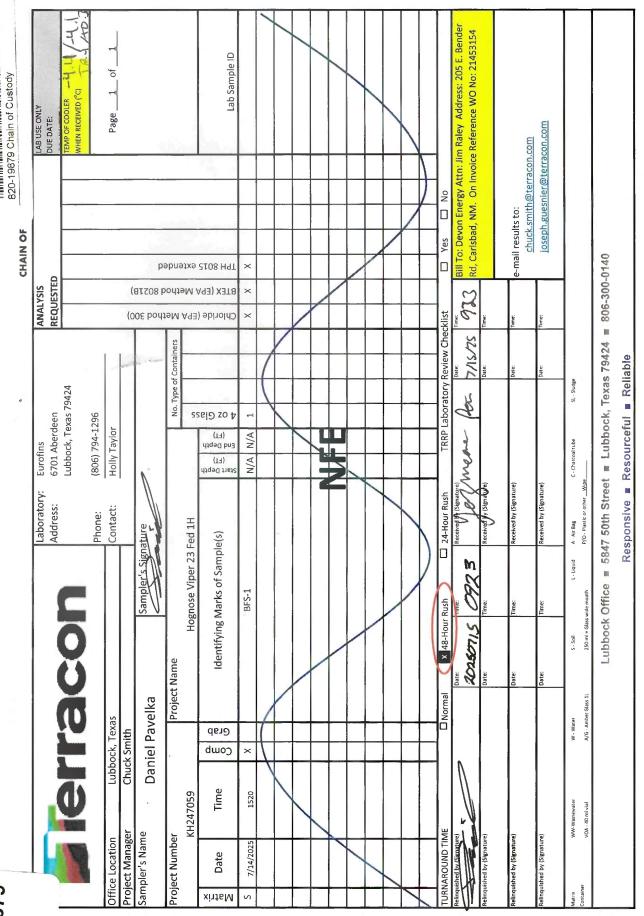
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Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job

Job Number: 820-19879-1 SDG Number: KH247059

Login Number: 19879 List Source: Eurofins Lubbock

List Number: 1

Creator: Pena, Yazmeane

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	

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Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-19879-1 SDG Number: KH247059

Login Number: 19879 **List Source: Eurofins Midland** List Number: 2

List Creation: 07/16/25 11:31 AM

Creator: Vasquez, Julisa

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	False	

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<6mm (1/4").

Remediation Closure Report

Hognose Viper 23 Federal 1H | Lea County, New Mexico
July 23, 2025, | Terracon Project No. KH247059



APPENDIX E – 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, Devon Energy Production Company, LP, as reflected in our Assessment Report sent via email on May 20, 3024.

Additional Scope Limitations

The development of this Closure Report is based on information provided by the Devon Energy Production Company, LP 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 Devon Energy Production Company, LP. 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 Devon Energy Production Company, LP, 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 Devon Energy Production Company, LP and Terracon. Any unauthorized distribution or reuse is at Devon Energy Production Company, LP sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal and Devon Energy Production Company, LP 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 Devon Energy Production Company, LP and all relying parties unless otherwise agreed in writing.

Facilities | Environmental | Geotechnical | Materials

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Action 488363

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	488363
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2432652685	
Incident Name	NAPP2432652685 HOGNOSE VIPER 23 FEDERAL #001H @ 30-025-41975	
Incident Type	Produced Water Release	
Incident Status	Remediation Closure Report Received	
Incident Well	[30-025-41975] HOGNOSE VIPER 23 FEDERAL #001H	

Location of Release Source		
Please answer all the questions in this group.		
Site Name	HOGNOSE VIPER 23 FEDERAL #001H	
Date Release Discovered 11/21/2024		
Surface Owner	Federal	

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: Corrosion Flow Line - Production Produced Water Released: 6 BBL Recovered: 5 BBL Lost: 1 BBL.		
Is the concentration of chloride in the produced water >10,000 mg/l	Yes		
Condensate Released (bbls) Details	Not answered.		
Natural Gas Vented (Mcf) Details	Not answered.		
Natural Gas Flared (Mcf) Details	Not answered.		
Other Released Details	Not answered.		
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.		

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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 2

Action 488363

QUESTI	ONS (continued)
Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137 Action Number: 488363 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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	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 s	rafety 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.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releate OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 07/24/2025

Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 3

Action 488363

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	488363
	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 approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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	Between ½ and 1 (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	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	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	on 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)	29200	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	97.6	
GRO+DRO (EPA SW-846 Method 8015M)	67.8	
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 03/31/2025		
On what date will (or did) the final sampling or liner inspection occur	06/03/2025	
On what date will (or was) the remediation complete(d)	07/14/2025	
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	2555	
What is the estimated volume (in cubic yards) that will be remediated 800		
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.		

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 4

Action 488363

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	488363
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
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.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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 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

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Email: jim.raley@dvn.com

Date: 07/24/2025

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.

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 5

Action 488363

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	488363
	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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QUESTIONS, Page 6

Action 488363

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	488363
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	480639
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/03/2025
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	200

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	2917	
What was the total volume (cubic yards) remediated	180	
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)	Remediation Complete	

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.

Name: James Raley
Title: EHS Professional
Email: jim.raley@dvn.com
Date: 07/24/2025

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QUESTIONS, Page 7

Action 488363

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	488363
	Action Type:
	[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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Action 488363

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave. Oklahoma City, OK 73102	Action Number:
	488363
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	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 operations.	9/15/2025