

October 22, 2024

Targa Midstream, LLC 25 Middle Plant Lane Eunice, NM 88231

Attn: New Mexico Oil Conservation Division

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

RE: Release Investigation, and Closure Report

Targa Midstream Services, LLC
Leak #149
NMOCD Incident No. nAPP2335429970
Unit M, Section 4, Township 22 South, Range 37 East 32.416435°, -103.175163°
Lea County, New Mexico
Terracon Project No. KH247005

To Whom It May Concern:

Terracon Consultants, Inc. (Terracon) is submitting our Release Investigation and Closure Report on behalf of Targa Midstream Services, LLC (Targa) 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 the release of natural gas due to corrosion. Detailed assessment and remedial actions by Terracon are outlined in the following sections.

Action Items

Completed Actions

- 1) Conducted an initial site assessment and a series of sampling events.
- 2) Maps and associated data for approval are provided.
- 3) Soil samples collected from the excavation were submitted to an approved laboratory for analysis to determine levels of impact vertically and horizontally.
- 4) Excavation of the inferred release area was completed with the intent to remove impacted soil as determined by the Closure Criteria set by NMOCD.
- 5) Soil stockpiles on site were placed on plastic and bermed around the edges to reduce loss.
- 6) Five-point composite confirmation samples were collected every 200 square feet.
- 7) Remedial activities were terminated when a confirmation sample was collected below the NMOCD RALs for Oil and Gas impacted soils.
- 8) Confirmation samples collected from backfill material to confirm soils were below



the NMOCD RALs for Oil and Gas.

9) A summary of the information provided in this report is included in Appendix A, as C-141 summary sheet.

Anticipated Actions

- 1) Approval by the NMOCD.
- 2) Following the acceptance of this closure report all areas of the excavation will be backfilled and brought to the surrounding grade and reseeded.

Site Information

The Notice of the Release was provided to the NMOCD District 2 Artesia Office by Amber Groves on December 20, 2023, with the submission of the initial C-141. NMOCD Reference ID: nAPP2335429970. The site is located within Unit M, Section 4, Township 22 South, Range 37 East, approximately 1.61 miles southwest of Eunice, New Mexico. A Topographic Map and Site Location Map are included in Appendix A, as Exhibit 1, and Exhibit 2, respectively.

Site Ranking Criteria

A review of data from the New Mexico Oil Conservation Division (NMOCD) website identified a Release Delineation Report, OCD project No.(s) 1R-483 and 1R-484 submitted on August 26, 2009, wherein a total 6 monitor wells were completed, Battery No's 2 and 3 (MW-1, MW-2 and MW-3) and Battery No's 1, 4, and 5 (MW-1, MW-2 and MW-3) to depths ranging from approximately 86 feet to 91 feet below ground surface (bgs) in 2007 and 2009. Monitor well MW-2 installed on October 16, 2007, adjacent to Battery No's 2 and 3 located approximately 0.28 miles south of the site is the closest monitor well to the site and was completed to a depth of 86.07 feet bgs with depth to water of 79.48 feet bgs as indicated in the Well Location Map (Appendix A, Exhibit 3). The well boring log for MW-2 installed at Battery No. 2 and 3 location is included in Appendix C.

A review of the U.S. Fish and Wildlife Service, National Wetlands Inventory website indicates that there are no wetlands within a 1.0-mile radius of the site as indicated in the Designated Wetland Area Map (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 (Appendix A, Exhibit 5).

Remediation Criteria

Per New Mexico Administrative Code (NMAC) 19.15.29.12, the closure criteria for the site are based on the remedial requirements for an off-pad release consisting of the removal of the affected soil from the surface to 4 feet below grade surface (bgs). The closure criteria are for Benzene (10 mg/kg) (EPA Method 8021B), Total Benzene, Toluene, Ethylbenzene and Xylenes (Total BTEX) (50 mg/kg) (EPA Method 8021B), Chlorides (600 mg/kg) EPA Method 300), and Total Petroleum Hydrocarbons (TPH) GRO, DRO and MRO (100 mg/kg) (EPA Method 8015M).

Facilities | Environmental | Geotechnical | Materials



For Remediation at depths greater than 4 feet bgs. The closure criteria are for 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), and Total Petroleum Hydrocarbons (TPH) GRO, DRO and MRO (2,500 mg/kg) (EPA Method 8015M).

Remedial Activities

Remedial activities conducted at the site from February 21, 2024, through July 22, 2024. An area of approximately 20,600 square feet was affected by the release. A total of approximately 6,500 cubic yards (cu. yds.) of affected soil has been excavated at the site. Excavation depth ranged from 4 feet bgs to 20 feet bgs. An Excavation Map depicting the excavation extent is included in Appendix A, Exhibit 6.

Confirmation/Closure Activities

Confirmation samples were collected from February 21, 2024, through August 8, 2024. The areas where floor and sidewall samples exceeded closure criteria required additional excavation and were excavated vertically to depths ranging from 3.0 feet to 20 feet bgs and laterally to attain closure criteria. A total of 125 confirmation floor samples were collected from 103 sample locations and a total of 49 confirmation wall samples were collected from 17 sample locations. The confirmation samples were submitted for analysis of BTEX, Chlorides, and TPH. Benzene was not detected above the laboratory detection limit in any of the samples collected. Chloride results in the floor samples ranged from non-detect to 1,440 milligrams per kilogram (mg/kg) in FS-27 (6 ft.) and Chloride results in the confirmation wall samples ranged from non-detect to 6,660 mg/kg in S-SW-05 (16-20 ft). TPH results in the floor samples ranged from non-detect to 4,000 mg/kg in FS-19 (4 ft.) and TPH results in the confirmation wall samples ranged from non-detect to 6,630 mg/kg in E-SW-04 (8-16 ft). Final confirmation sample results for BTEX, chlorides and TPH were below applicable NMOCD closure criteria.

Confirmation samples were collected on February 21, 2024, from depths spanning 0 to 4 feet bgs. A total of 4 floor samples FS01 through FS04 (3 ft.) were collected from 4 locations and a total of 3 wall samples E-SW-01 (0-2 ft.), S-SW-01 (0-4 ft.), and S-SW-02 (0-3 ft.) were collected from 3 locations. The floor sample results for FS01, FS02 and FS04 were below the NMOCD closure criteria for Chlorides and TPH and were left in-situ. The floor sample FS-03 (3 ft.) exhibited a TPH concentration of 1,127 mg/kg exceeding the NMOCD closure criteria for excavations below 4 feet bgs requiring further excavation. The wall samples collected were below NMOCD closure criteria for Chlorides and wall sample results for S-SW-01 and S-SW02 were below the NMOCD closure criteria for TPH and were left in-situ. One wall sample E-SW-01 (2 ft.) exceeded NMOCD closure criteria for TPH. The areas where floor and sidewall samples exceeded closure criteria required additional excavation and were excavated vertically and laterally to attain closure criteria.



Additional confirmation samples were collected on February 26, 2024, from depths ranging from 0 to 4 feet bgs. A total of 16 floor samples were collected from 15 new sample locations, with FS-03 being resampled and a total of 3 wall samples were collected from 3 new locations. Floor samples include FS03 (4 ft.) and FS05 through FS19 (2-3 ft.). Wall samples include N-SW-01 (0-3 ft.), N-SW-02 (0-3 ft.), and W-SW-01 (0-3 ft.). Twelve floor samples were submitted for analysis exhibited concentration below the NMOCD closure criteria for TPH and were left in-situ. FS07 (2 ft.), FS10 (2 ft.), FS14 (3 ft.), and FS19 (3 ft.) exhibited levels of TPH 107.9 mg/kg, 188 mg/kg, 340 mg/kg, 178.8 mg/k, respectively above NMOCD closure criteria for excavations above 4 feet bgs requiring further excavation. The wall samples collected were below NMOCD closure criteria and were left in-situ. The areas where floor and sidewall samples exceeded closure criteria required additional excavation and were excavated vertically and latterly to attain closure criteria.

Additional confirmation samples were collected on June 3, 2024, from depths ranging from 0 to 6 feet bgs. A total of 36 floor samples were collected from 36 new sample locations and a total of 14 wall samples were collected from 7 new locations. Floor samples include FS27 through FS 62 (5-6 ft.). Wall samples include E-SW-02 (0-4 and 4-6 ft.), E-SW-03 (0-4 and 4-6 ft.), N-SW-03 (0-4 and 4-6 ft.), S-SW-03 (0-4 and 4-5 ft.), S-SW-04 (0-4 and 4-6 ft.), W-SW-02 (0-4 and 4-5 ft.), and W-SW-03 (0-4 and 4-6 ft.). Thirty-five floor samples collected were below the NMOCD closure criteria and were left in-situ. Sample FS32 (5 ft.) exhibited levels of TPH (2,980 mg/kg) above NMOCD closure criteria for excavations below 4 feet bgs requiring further excavation. The wall samples collected were below NMOCD closure criteria and were left in-situ. The areas where floor and sidewall samples exceeded closure criteria required additional excavation and were excavated vertically and latterly to attain closure criteria.

Additional confirmation samples were collected on June 28, 2024, from depths ranging from 0 to 20 feet bgs. A total of 50 floor samples were collected from 48 new sample locations and a total of 20 wall samples were collected from 6 locations, 4 of which were new. Floor samples include FS19 through FS26, FS32, and FS63 through FS103 (4-20 ft.). Wall samples include E-SW-04 (0-4, 4-8, and 8-16 ft.), N-SW-01 (4-8, 8-16, and 16-20 ft.), N-SW-04 (0-4, 4-8, 8-16, and 16-20 ft.), S-SW-05 (0-4, 4-8, 8-16, and 16-20 ft.), S-SW-06 (0-4, 4-8, 8-16, and 16-20 ft.), and W-SW-01 (4-8 and 8-16 ft.). Thirty-three floor samples collected were below the NMOCD closure criteria and were left in-situ. Floor samples collected from FS19 (4 ft.) through FS26 (4 ft.) exhibited TPH concentrations exceeding the NMOCD closure criteria ranging from 316 mg/kg in FS20 (4. ft) to 4,000 mg/kg in FS19 (4 ft.). Floor samples collected from FS63 (8 ft.), FS68 (12 ft.), FS70 (16 ft.), FS73 (16 ft.), FS76 (16 ft.), FS79 (20 ft.), FS82 (20 ft.), FS86 (16 ft.), and FS90 (8 ft.) exhibited TPH concentrations of (2,038 mg/kg, 2,167 mg/kg, 3,890 mg/kg, 4,180 mg/kg, 5,360 mg/kg, 6,150 mg/kg, 2,209 mg/kg, 6,600 mg/kg, and 2,028 mg/kg), respectively, above closure criteria for excavations below 4 feet bgs requiring further excavation. Eleven wall samples submitted for analysis exhibited concentration below the NMOCD closure criteria and were left in-situ. Wall samples E-SW-04 (0-4, 4-8, and 8-16 ft.), N-SW-01 (8-16 ft.), N-SW-04 (8-16 ft.), S-SW-06 (16-20 ft.), W-SW-01 (4-8 and 8-16 ft.), and S-SW-05 (0-4 ft.) exhibited TPH concentrations of (1,608



mg/kg, 2,550 mg/kg, 6,630 mg/kg, 5,220 mg/kg, 2,720 mg/kg, 2,740 mg/kg, 3,460 mg/kg, and 3,910 mg/kg), respectively, for excavations above and below 4 feet bgs. Wall sample S-SW-05 (0-4 ft.) exhibited a chloride concentration of (875 mg/kg) exceeding the NMOCD closure criteria for excavations below 4 feet bgs, requiring further excavation. The areas where floor and sidewall samples exceeded closure criteria required additional excavation and were excavated vertically and laterally to attain closure criteria.

Final confirmation samples were collected on June 25, 2024, through October 17,2024 from depths spanning from the surface to 20 feet bgs. A total of 19 floor samples FS-07 (8 ft.), FS10 (8 ft.), FS14 (8 ft.) FS19 (5 ft.), FS 20 (5 ft.), FS21 (5 ft.), FS22 (5 ft.), FS23 (5 ft.), FS24 (5 ft.), FS25 (5 ft.), FS26 (5), FS63 (9 ft.), FS68 (14 ft.), FS70 (17 ft.), FS73 (18 ft), FS76 (17 ft.), FS79 (20 ft.), FS82 20 ft.), FS86 (17 ft.), and FS90 (9 ft.) were collected from 20 locations, and a total of 9 wall samples E-SW-04 (0-4, 4-8, and 8-16 ft.), N-SW-01 (8-16 ft.), N-SW-04 (8-16 ft.), S-SW-06 (16-20 ft.), W-SW-01 (4-8 and 8-16 ft.), and S-SW-05 (0-4 ft.) were collected from 6 locations. Confirmation floor sample results for chlorides and TPH were below the NMOCD closure criteria and were left in-situ. Confirmation wall sample results for chlorides and TPH were below the NMOCD closure criteria and were left in-situ. The NMOCD closure criteria for BTEX, Chloride and TPH were attained, and remedial activities were concluded.

A total of approximately 6,200 cubic yards of loose soil was excavated during remedial activities of which 3,800 cubic yards were excavated in the reclamation zone (0.0 to 4.0 feet bgs) and 2,400 cubic yards were excavated in the remediation zone (> 4.0 feet bgs). The excavated material was stockpiled on-site atop a polyethylene liner pending disposal under an approved Form C-138. The excavated material was disposed of at J & L Land Farm Facility. Soil disposal waste manifests are available upon request. Confirmation Sample Maps depicting the floor sample locations for the north and south sections of the excavation are included in Appendix A, Exhibit 7 and 7A, respectively. Confirmation Sample Maps depicting the wall sample locations for the north and south sections of the excavation are included in Appendix A, Exhibit 8 and 8A, respectively. Floor and wall confirmation sample analytical results are included in Appendix B, Table 1, and Table 2, respectively. Photographs of the project site are included in Appendix D. The analytical reports and Chain of Custody (COC) are included in Appendix E. Terracon's Standard of Care, Limitation, and Reliance is included in Appendix F.

Reclamation Activities

Reclamation activities were conducted from September 13, 2024, and September 20, 2024. The excavated area subject to reclamation was backfilled with like material sourced from a local pit and the area will be returned to approximate grade in preparation for seeding the reclaimed area. Backfill material was sampled on 10-03-24, two composite samples of the material were submitted for laboratory analysis. The results for both samples for BTEX, TPH, and Chlorides were all below laboratory detection limits, confirming that the backfill material is suitable for reclamation of the land.



Following the site preparation, per the landowner's request, the area was reseeded with a Bamert Seed Company LLC seed mix. The seed mix consisted of 31.15 percent Plains Bristlegrass, 14.94 percent Sand Dropseed, 14.73 percent Blue Grama, 15.42 percent Side oats Grama, and 14.59 percent Lovegrass. Reseeded area will be monitored, and revegetation report will be submitted once vegetative status is reached.

Conclusion

In accordance with NMAC 19.15.29.12, remediation of the impacted material is complete, and Targa Midstream LLC respectfully requests closure of the reportable incident that occurred on December 12, 2023, at the NMOCD Reference No nAPP2335429970 – Leak 149 location.

We are grateful for the opportunity to offer our environmental services to Targa Midstream Services LLC. We are committed to providing the highest level of service and support. Should you need further information or have any queries, we encourage you to reach out to our office at your earliest convenience.

Sincerely,



Prepared by:

Travis Casey

Timestan

Senior Staff Scientist

Carlsbad, NM

Reviewed by:

John Grams, P.G. (TX)

Environmental Department Manager

Lubbock, TX



Attachments:

Appendix A - Exhibits

Topographic Map Exhibit 1 Exhibit 2 Site Location Map Exhibit 3 Well Location Map Exhibit 4 Designated Wetland Area Map Exhibit 5 Cave Karst Public UCP Map Exhibit 6 **Excavation Map** Exhibit 7 Confirmation Floor Sample Map (North) Exhibit 7A Confirmation Floor Sample Map (South) Exhibit 8 Confirmation Wall Sample Map (North) Confirmation Wall Sample Map (South) Exhibit 8A

C-141 Summary Sheet

Appendix B - Tables and Well Data

Table 1 - Confirmation Floor Samples
Table 2 - Confirmation Wall Samples

Table 3 - Confirmation Floor Samples

Table 3 - Stockpile Samples

Appendix C - Environmental Report with Boring Logs

Appendix D - Photographic Log

Appendix E - Analytical Report and Chain of Custody

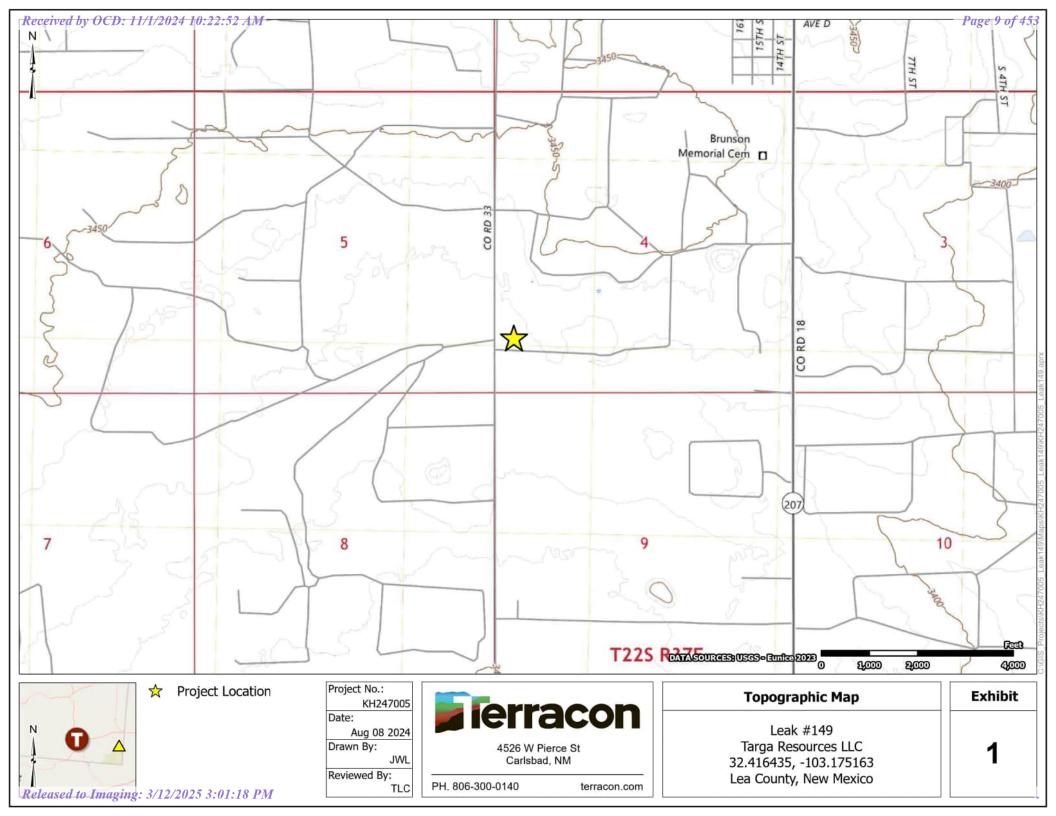
Appendix F - Terracon Standard of Care, Limitation, and Reliance

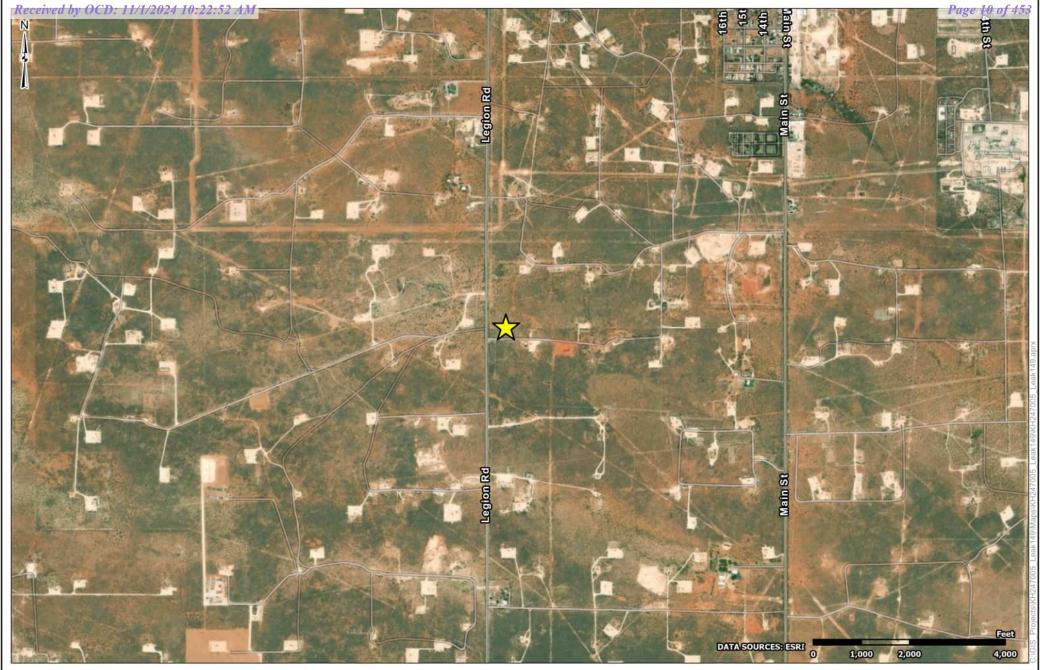
Appendix G - Initial C-141

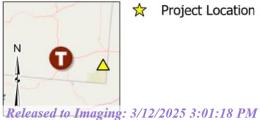


APPENDIX A - EXHIBITS

Facilities | Environmental | Geotechnical | Materials







Project Location

Project No.: KH247005 Date:

Aug 08 2024 Drawn By:

JWL

Reviewed By: TLC



4526 W Pierce St Carlsbad, NM

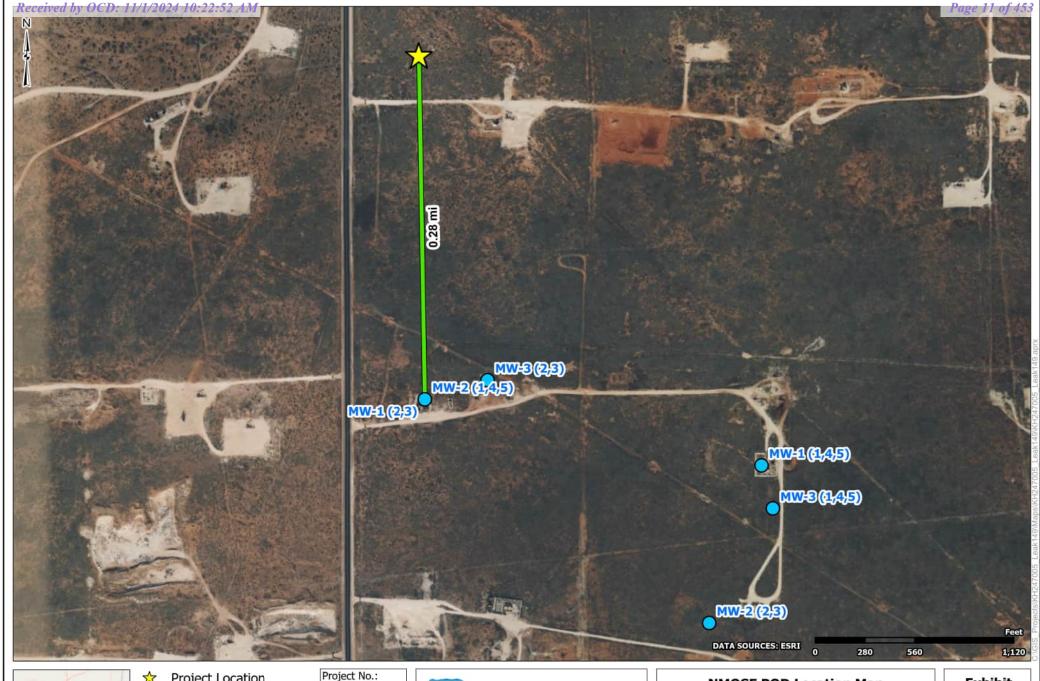
PH. 806-300-0140

terracon.com

Site Location Map

Leak #149 Targa Resources LLC 32.416435, -103.175163 Lea County, New Mexico

Exhibit





Project Location

POD Location

Drawn By: JWL Reviewed By: TLC

Date:

KH247005

Aug 08 2024



4526 W Pierce St Carlsbad, NM

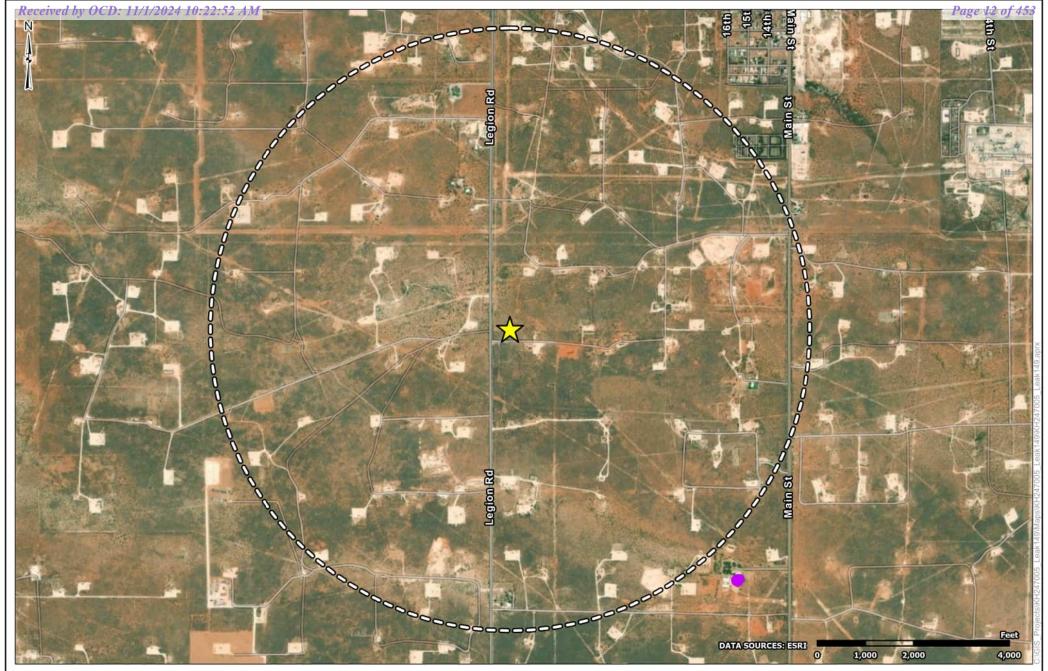
PH. 806-300-0140

terracon.com

NMOSE POD Location Map

Leak #149 Targa Resources LLC 32.416435, -103.175163 Lea County, New Mexico

Exhibit





☆ Project Location

88 1 Mile Radius

Freshwater Pond

Released to Imaging: 3/12/2025 3:01:18 PM

Project No.: KH247005

Date: Aug 08 2024

Drawn By: JWL

Reviewed By: TLC



4526 W Pierce St Carlsbad, NM

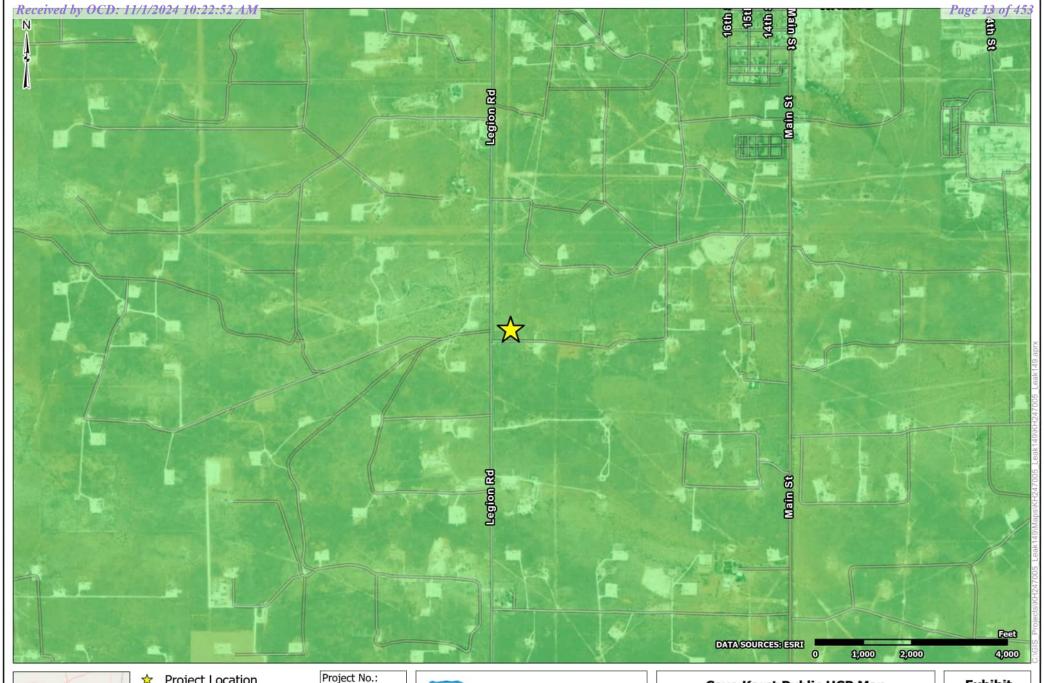
PH. 806-300-0140

terracon.com

Designated Wetland Area Map

Leak #149 Targa Resources LLC 32.416435, -103.175163 Lea County, New Mexico

Exhibit





KH247005 Date:

Aug 08 2024 Drawn By:

JWL Reviewed By: TLC



4526 W Pierce St Carlsbad, NM

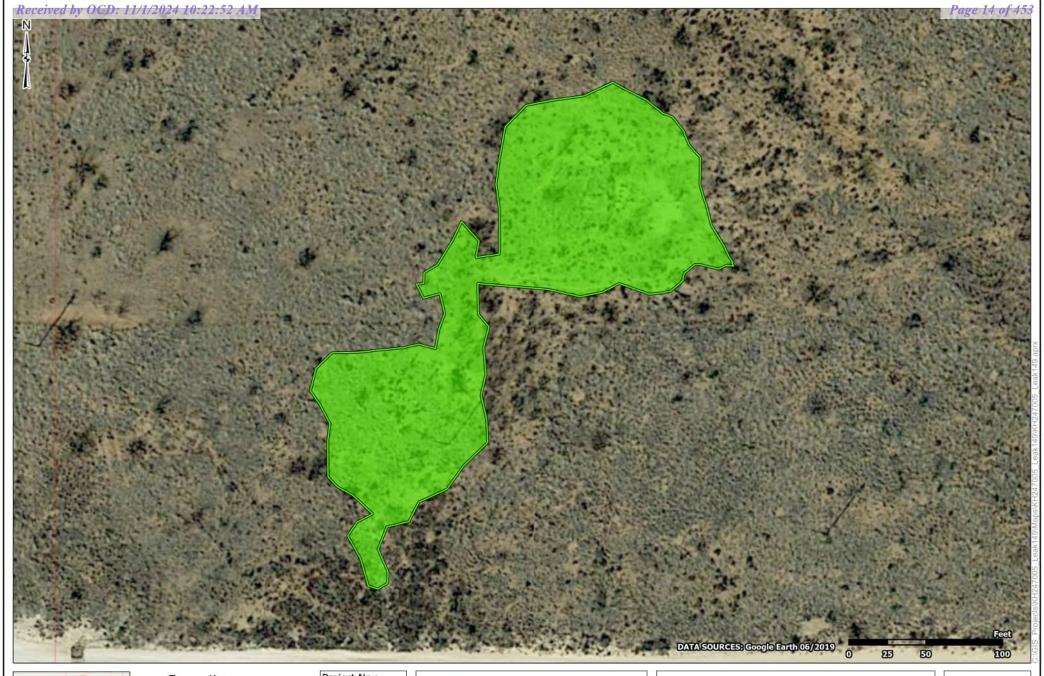
PH. 806-300-0140

terracon.com

Cave Karst Public UCP Map

Leak #149
Targa Resources LLC
32.416435, -103.175163
Lea County, New Mexico

Exhibit





Excavation (20,600 Sq. Ft.)

Project No.: KH247005

Date: Aug 08 2024 Drawn By:

JWL

Reviewed By: TLC



4526 W Pierce St Carlsbad, NM

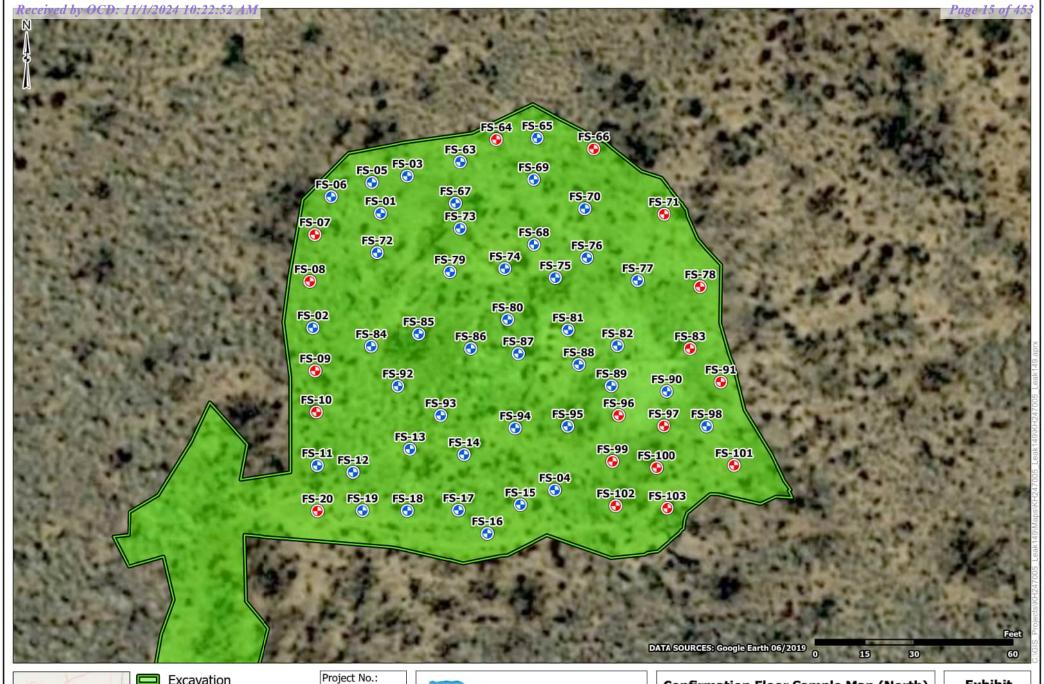
terracon.com

PH. 806-300-0140

Excavation Area Map

Leak #149 Targa Resources LLC 32.416435, -103.175163 Lea County, New Mexico

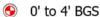
Exhibit





Excavation

Floor Sample Depth



> 4' BGS

Released to Imaging: 3/12/2025 3:01:18 PM

KH247005 Date:

Aug 08 2024 Drawn By:

JWL Reviewed By: TLC



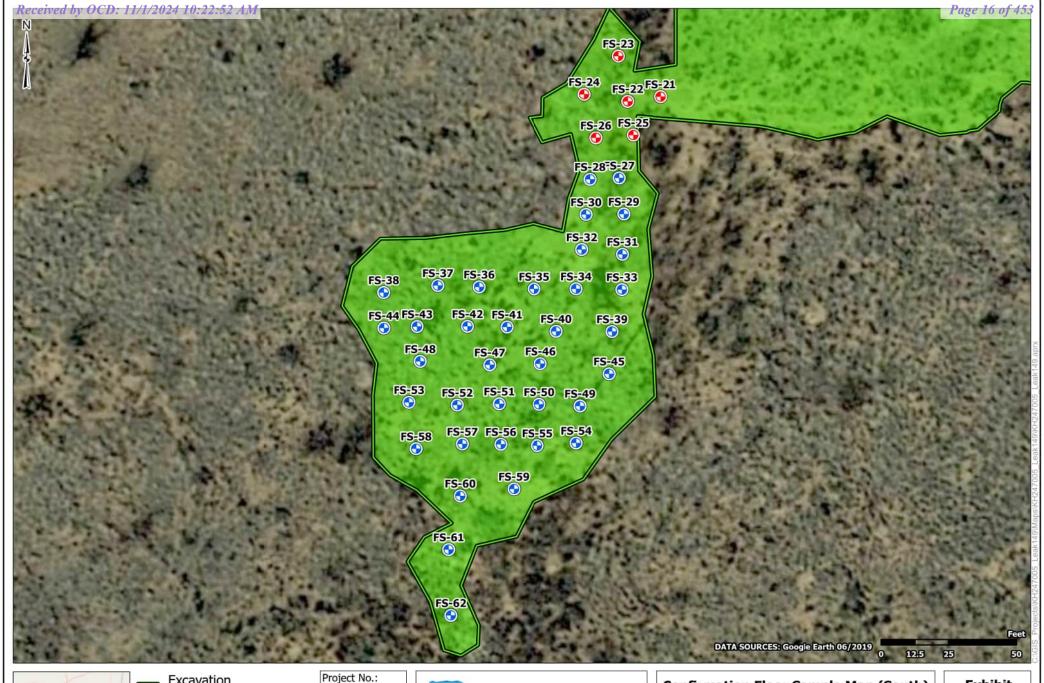
4526 W Pierce St Carlsbad, NM

PH. 806-300-0140 terracon.com

Confirmation Floor Sample Map (North)

Leak #149 Targa Resources LLC 32.416435, -103.175163 Lea County, New Mexico

Exhibit





Excavation (20,600 Sq. Ft.)

Floor Sample Depth



Reviewed By: TLC

Drawn By:

Date:

KH247005

Aug 08 2024

JWL



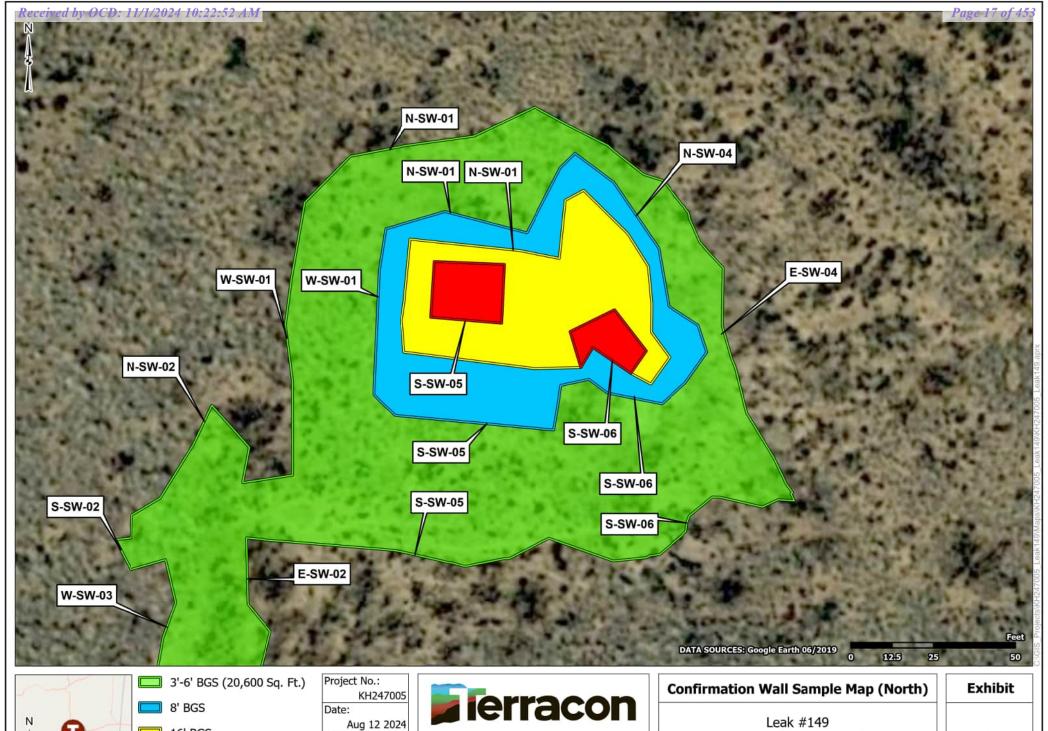
4526 W Pierce St Carlsbad, NM

PH. 806-300-0140 terracon.com

Confirmation Floor Sample Map (South)

Leak #149 Targa Resources LLC 32.416435, -103.175163 Lea County, New Mexico **Exhibit**

7A





Drawn By:

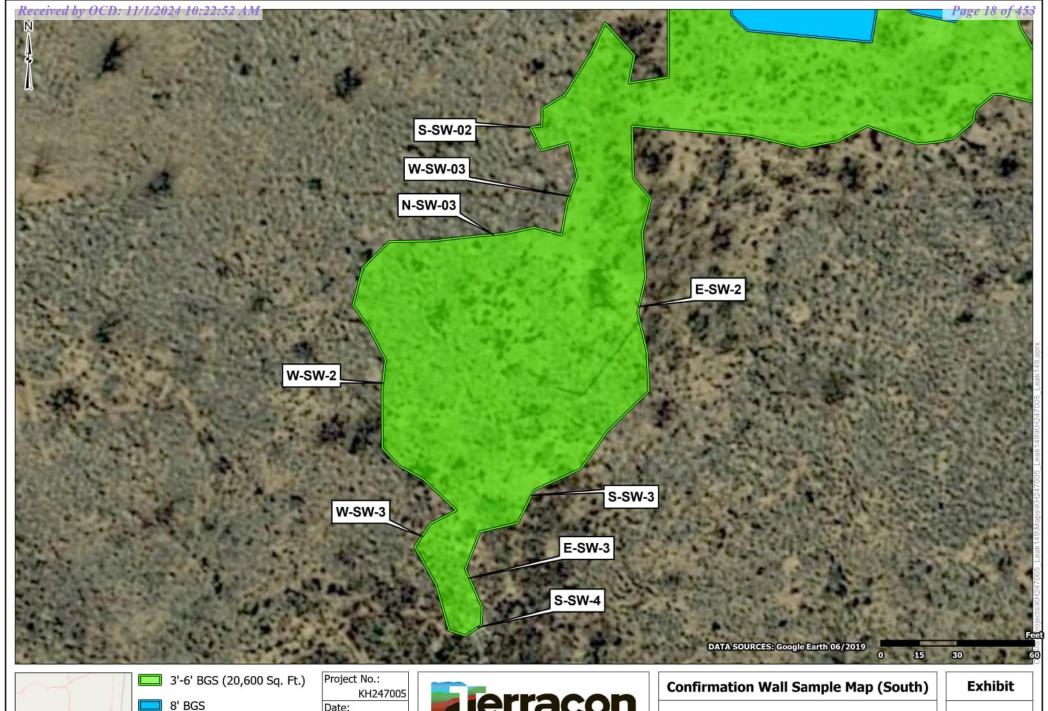
JWL Reviewed By: TLC



4526 W Pierce St Carlsbad, NM

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Targa Resources LLC 32.416435, -103.175163 Lea County, New Mexico





Date:

Aug 09 2024 Drawn By: JWL

Reviewed By: TLC



4526 W Pierce St Carlsbad, NM

PH. 806-300-0140 terracon.com

Leak #149 Targa Resources LLC 32.416435, -103.175163 Lea County, New Mexico

8A

7/29/2024					ier i	racon
	NI	MOCD REPORT I	DETA	ILS		
	Submission	on Contact, Application, Fee	and Pay	ment Details		
ame:	Amber Groves					
nail:	<u>agroves@targaresourc</u>			575-63	5-9096	
		Initial Release C-14				
		Application Detail	_			
	Incident ID:	nAPP23354				
	District:	Hobbs	5			
	County:	Lea				
	Legal Description:	Unit:M Sectio	n:04	Township:22S		
	Lat/Long:	N: 32.416435		E:	-103.175163	
		<u>Prerequisites</u>	OED: 25	0.11.0		
	Incident Operator:	TARGA MIDSTREAM		S LLC		
	Release Type:	Natural Gas				
	Incident Status:	Pending State	Approval			
		Release Information	n			
	Site Name:	Release Information		: #149		
	Date Discovered:			2/2023		(MM/DD/YYY)
	Surface Owner:			vate		(1111/00)1111
	Juliuse Swiisi.			vace		
		Incident Details				
	Incident Type:		ral Gas Re	elease		
	Fire:		No			
	Injuries:		No			
	Watercourse:		No			
	Public Health:		No			
Significa	ant to Property or Environment:		No			
	etrimental to Freshwater:		No			
		Nature and Volume of R				
	Released Product:	Natu	ral Gas V			
	Cause:		Corrosion			
	Source:		peline (Ar	ny)		
	Release:	65			(bbls/Mcf)	
	Recovered:	0			(bbls/Mcf)	
	Additional Details:	Natu	ral Gas V	ented		
		Nature and Volume of R	elease			
]	Is this a gas submission	Yes				
	s a major release (Y/N) >25bbls	No				
	ion of release volume calculation	Yes		(Attached	Release Volume Co	alculation)
		<u>Initial Response</u>				
	telease has been stopped	Yes				
rele	ase area has been secured:	Yes				
	ed material has been contained	Yes				
	e liquids have been recovered	Yes				
If actions	s have not been completed, why?	N/A	- 1/	Attached Explii	nation)	

		ction Plan C-141			
		<u>icterization</u>			
what is groundwater beneath effected area?	75ft -				
What method was used to determine depth?	OCD Imaging R				
Did release impact GW or Surface Water?	No				
continuously flowing watercourse	greater tha	an 5 (mi.)			
lakebed, sinkhole, or playa (measured from the high-	No				
water mark)					
an occupied permanent residence	between 1				
spring or private domestic well	between 1,000 (1				
Incorporated municipal boundaries	between 1				
wetland	greater tha	` '			
subsurface mine	greater the	` ,			
a (non-karst) unstable area	greater tha	l (IIII.)			
categorize the risk of this well / site being in a karst geology	Low Karst				
a 100-year floodplain	greater tha	an 5 (mi.)			
did the release impact areas not on an ex	ploration, developm	ent, production, o	storage site		Yes
	Remedia	ation Plan			
Have lateral and vertical extents of impacts been delineate	d, to the strictest	No)		
standards?					
Was the release entirely contained within a lined contained	ninment?	No	1		
Soil Contamination Sampling					
(provide the highest observed value for each)(0.	1)	Chloride	6,660.0	(mg/kg)	
		Total TPH	6,630.0	(mg/kg)	
		GRO+DRO	3,920.0	(mg/kg)	
		BTEX	-	(mg/kg)	
		Benzene	-	(mg/kg)	
Date of Remediation Commencement		2/20/2			
Date of Final Sampling or Liner Inspection		7/25/2			
Date of Remediation Completion		7/22/2		(6 - 5 - 1)	
Estimated Surface Area (sq.ft) to be reclaimed		22,6		(Square Feet)	
Estimated Volume (cu. Yds) to be reclaimed Estimated Surface Area (sq.ft) to be remediate	۸	335 4,50		(Cubic Yards) (Square Feet)	
Estimated Surface Area (sq.ft) to be remediated		110		(Cubic Yards)	
Estimated Volume (cd. Fds) to be remediated		110	0	(Cubic farus)	
Excavation and off-site disposal (dig & haul)		Ye		(Ex-Situ)	
Excavation and on-site remediation (land farm	1	No.		(Ex-Situ)	
Soil Vapor Extraction	1	No		(In-Situ)	
Chemical processing (soil shreddingetc)		No		(In-Situ)	
Biological processing (microbes / fertilizeretc)	No		(In-Situ)	
Physical processing (soil washing, gypsumetc	<u>, </u>	No)	(In-Situ)	
Ground Water Abatement		No		, ,	
Other (Non-listed remedial process)		No)		
	Closure/Deferr	al Request C-141			
Deferral Request (attachment with explanation)	No			
All areas reasonably needed for production or subsequent					
have been stabilized, returned to the sites existing grade		Ye	S		
cover that prevents ponding of water, minimizing dust	t and erosion				
Total Surface Area (sq.ft) to be remediated		22,6	00	(Square Feet)	
Total Volume (cu. Yds) to be remediated		335		(Cubic Yards)	
All areas not reasonably needed for production or subs	equent drillina	333	-	, , , , , , , , , , , , , , , , , , , ,	
operations have been reclaimed to contain a minimum of	four feet of non-				
waste contain earthen material with concentrations less t		Ye	S		
chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg	g/kg Benzene				
Estimated Surface Area (sq.ft) to be reclaim	ned	4,50	00	(Square Feet)	
Estimated Volume (cu. Yds) to be reclaime		110		(Cubic Yards)	
Attached Summary of additional remediation Ac		Ye		(22.22.20)	
and the second s					
Requesting approval of Reclamation Complete	tion				
		•			



APPENDIX B - TABLES AND WELL DATA

Facilities | Environmental | Geotechnical | Materials

Table 1 **Soil Analytical Results Summary - Confirmation Floor Samples** Project Code: KH247005 - Targa Resources - Leak #149 NMOCD Reference No. nAPP2335429970

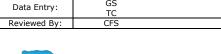
Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36 (mg/Kg)
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
						nation Floor S		00151-1	001511	001314	001514
FS01	2/21/2024	3	Composite	In-situ	49.2	ND	ND	ND	ND	ND	ND
FS02	2/21/2024	3	Composite	In-situ	43.2	ND	ND	<50.0	ND	ND	ND
FS03	2/21/2024	3	Composite	Excavated	318	ND	ND	1127	ND	757.0	370.0
	2/26/2024	4	Composite	In-situ	170	ND	ND	72.4	ND	72.4	ND
FS04	2/21/2024	3	Composite	In-situ	32.1	ND	ND ND	ND 10.6	ND ND	ND 40.6	ND
FS05 FS06	2/26/2024 2/26/2024	3	Composite Composite	In-situ In-situ	ND ND	ND ND	ND ND	49.6 ND	ND ND	49.6 ND	ND ND
	2/26/2024	2	Composite	Excavated	39.5	ND ND	ND ND	107.9	ND ND	54.4	53.5
FS07	7/25/2024	8	Composite	In-situ	161	ND	ND	42.3	ND ND	42.3	ND
FS08	2/26/2024	2	Composite	In-situ	57.3	ND	ND	ND	ND	ND	ND
FS09	2/26/2024	2	Composite	In-situ	70.2	ND	ND	43.4	ND	43.4	ND
FS10	2/26/2024	2	Composite	In-situ	62.9	ND	ND	188.0	ND	188.0	ND
	7/25/2024	8	Composite	In-situ	907	ND	ND	35.9	ND	35.9	ND
FS11	2/26/2024	3	Composite	In-situ	74.7	ND	ND ND	61.9	ND ND	61.9	ND
FS12 FS13	2/26/2024 2/26/2024	3	Composite Composite	In-situ In-situ	45.8 383	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
	2/26/2024	3	Composite	Excavated	421	ND ND	ND ND	340	ND ND	234	106
FS14	7/25/2024	8	Composite	In-situ	975	ND	ND ND	169	ND ND	105	64
FS15	2/26/2024	3	Composite	In-situ	62.8	ND	ND	28.2	ND	28.2	ND
FS16	2/26/2024	3	Composite	In-situ	42.4	ND	ND	ND	ND	ND	ND
FS17	2/26/2024	3	Composite	In-situ	543	ND	ND	28.7	ND	28.7	ND
FS18	2/26/2024	3	Composite	In-situ	485	ND	ND	63.8	ND	63.8	ND
FC10	2/26/2024	3	Composite	Excavated	489	ND	ND ND	178.8	ND ND	115.0	63.8
FS19	6/28/2024 7/25/2024	4	Composite	Excavated	69.2 209	ND ND	ND ND	4,000.0 26.0	ND ND	2,540.0 26.0	1,460.0
+	6/28/2024	5 4	Composite Composite	In-situ Excavated	411	ND ND	ND ND	316.0	ND ND	136.0	ND 180.0
FS20	8/8/2024	5	Composite	In-situ	372	ND	ND	68.8	ND ND	68.8	ND
FC21	6/28/2024	4	Composite	Excavated	78.3	ND	ND	469.0	ND	469.0	674.0
FS21	8/8/2024	5	Composite	In-situ	191	ND	ND	221.3	ND	89.3	132
FS22	6/28/2024	4	Composite	Excavated	300	ND	ND	495.0	ND	236.0	259.0
1322	8/8/2024	5	Composite	In-situ	410	ND	ND	64.2	ND	64.2	ND
FS23	6/28/2024	4	Composite	Excavated	259	ND	ND	3,910.0	ND	2,200.0	1,710.0
	7/25/2024	5 4	Composite Composite	In-situ	606 258	ND ND	ND ND	ND 3,350.0	ND ND	ND 1,950.0	ND
FS24	6/28/2024 7/25/2024	5	Composite	Excavated In-situ	679	ND ND	ND ND	ND	ND ND	1,950.0 ND	1,400.0 ND
	6/28/2024	4	Composite	Excavated	334	ND	ND ND	3,300.0	ND ND	2,010.0	1,290.0
FS25	7/25/2024	5	Composite	In-situ	301	ND	ND	49.0	ND	49.0	ND ND
FS26	6/28/2024	4	Composite	Excavated	388	ND	ND	1,493.0	ND	935.0	558.0
F320	10/17/2024	5	Composite	In-Situ	ND	ND	ND	ND	ND	ND	ND
FS27	6/3/2024	6	Composite	In-Situ	1440	ND	ND	ND	ND	ND	ND
FS28	6/3/2024	6	Composite	In-Situ	884	ND	ND	ND	ND	ND	ND
FS29	6/3/2024	5	Composite	In-Situ	911	ND	ND ND	ND ND	ND ND	ND	ND ND
FS30 FS31	6/3/2024 6/3/2024	5 5	Composite Composite	In-Situ In-Situ	405 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
	6/3/2024	5	Composite	Excavated	ND	ND	ND ND	2,980.0	ND ND	1,550.0	1,430.0
FS32	6/28/2024	6	Composite	In-Situ	729	ND	ND	ND ND	ND	ND	ND
FS33	6/3/2024	5	Composite	In-Situ	1090	ND	ND	ND	ND	ND	ND
FS34	6/3/2024	5	Composite	In-Situ	302	ND	ND	ND	ND	ND	ND
FS35	6/3/2024	5	Composite	In-Situ	216	ND	ND	ND	ND	ND	ND
FS36	6/3/2024	5	Composite	In-Situ	192	ND	ND ND	ND	ND ND	ND ND	ND ND
FS37	6/3/2024	5	Composite	In-Situ	43.5	ND	ND ND	ND	ND ND	ND	ND ND
FS38 FS39	6/3/2024 6/3/2024	<u>5</u>	Composite Composite	In-Situ In-Situ	ND 568	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
FS40	6/3/2024	5	Composite	In-Situ In-Situ	211	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
FS41	6/3/2024	5	Composite	In-Situ	241	ND	ND ND	ND	ND ND	ND ND	ND ND
FS42	6/3/2024	5	Composite	In-Situ	246	ND	ND	ND	ND	ND	ND
FS43	6/3/2024	5	Composite	In-Situ	ND	ND	ND	ND	ND	ND	ND
FS44	6/3/2024	5	Composite	In-Situ	78.5	ND	ND	ND	ND	ND	ND
FS45	6/3/2024	5	Composite	In-Situ	64.7	ND	ND	ND	ND	ND	ND
FS46	6/3/2024	5	Composite	In-Situ	143	ND	ND ND	ND	ND ND	ND	ND
FS47 FS48	6/3/2024	<u>5</u>	Composite	In-Situ	ND 92.2	ND	ND ND	ND 61.1	ND ND	ND 61.1	ND ND
FS48 FS49	6/3/2024 6/3/2024	5 5	Composite Composite	In-Situ In-situ	82.3 ND	ND ND	ND ND	ND	ND ND	61.1 ND	ND ND
			rface to 4 ft		600	10	50	100)0	NA NA
NMOCD Re	eciamation Stan										

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.





TPH = Total petroleum hydrocarbons
 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

^{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 1 Soil Analytical Results Summary - Confirmation Floor Samples Project Code: KH247005 - Targa Resources - Leak #149
NMOCD Reference No. nAPP2335429970

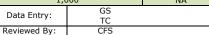
					MOCD Refer	ence No. HA	PP23354299	/ 0	I	r	
Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg) EPA Method	Total TPH ² (mg/Kg) EPA Method	Gasoline Range Organics (C6-C10) (mg/Kg) EPA Method	Organics (Over C10-C28) (mg/Kg) EPA Method	Oil Range Organics (Over C28-C36) (mg/Kg) EPA Method
					300	8021B mation Floor S	8021B	8015M	8015M	8015M	8015M
FS50	6/3/2024	5	Composite	In-Situ	ND	ND ND	ND ND	28.0	ND	28.0	ND
FS51	6/3/2024	5	Composite	In-Situ	ND	ND	ND	ND	ND	ND	ND
FS52	6/3/2024	5	Composite	In-Situ	ND	ND	ND	32.3	ND	32.3	ND
FS53	6/3/2024	6	Composite	In-Situ	ND	ND	ND	ND	ND	ND	ND
FS54	6/3/2024	5	Composite	In-Situ	ND	ND	ND	ND	ND	ND	ND
FS55	6/3/2024	5	Composite	In-Situ	ND	ND	ND	ND	ND	ND	ND
FS56	6/3/2024	5	Composite	In-Situ	ND	ND	ND	ND	ND	ND	ND
FS57	6/3/2024	5	Composite	In-Situ	107	ND	ND	46.9	ND	46.9	ND
FS58	6/3/2024	5	Composite	In-Situ	657	ND	ND	255	ND	255	ND
FS59	6/3/2024	5	Composite	In-Situ	707	ND	ND	420	ND	222	198
FS60	6/3/2024	5	Composite	In-Situ	667	ND	ND	333	ND	172	161
FS61	6/3/2024	6	Composite	In-Situ	81.4	ND	ND	ND	ND	ND	ND
FS62	6/3/2024	6	Composite	In-Situ	40.4	ND	ND	36.6	ND	36.6	ND
FS63	6/28/2024	8	Composite	Excavated	382.0	ND	ND	2,038.0	ND	1,140.0	898.0
	7/25/2024	9	Composite	In-Situ	ND	ND	ND	108.0	ND	108.0	ND
FS64	6/28/2024	4	Composite	In-Situ	ND 270	ND	ND	37.5	ND ND	37.5	ND
FS65	6/28/2024	8	Composite	In-Situ	378	ND	ND	526.0	ND ND	293.0	233.0
FS66	6/28/2024	4	Composite	In-Situ	108	ND ND	ND ND	35.3	ND ND	35.3	ND 430.0
FS67	6/28/2024 6/28/2024	12 12	Composite	In-Situ Excavated	1,060.0 942.0	ND ND	ND ND	915.0 2,167.0	ND ND	485.0 1,300.0	867.0
FS68	7/25/2024	14	Composite Composite	In-Situ	101.0	ND ND	ND ND	67.8	ND ND	67.8	ND
FS69	6/28/2024	13	Composite	In-Situ In-Situ	508.0	ND ND	ND ND	1,537.0	ND ND	986.0	551.0
	6/28/2024	16	Composite	Excavated	549.0	ND ND	ND ND	3,890.0	ND ND	2,440.0	1,450.0
FS70	7/25/2024	17	Composite	In-Situ	69.9	ND ND	ND ND	671.0	ND ND	671.0	ND
FS71	6/28/2024	4	Composite	In-Situ	71.6	ND	ND ND	276.0	ND ND	148.0	128.0
FS72	6/28/2024	12	Composite	In-Situ	672.0	ND	ND	668.0	ND	429.0	239.0
	6/28/2024	16	Composite	Excavated	2,400.0	ND	ND	4,180.0	ND	2,500.0	1,680.0
FS73	7/25/2024	18	Composite	In-Situ	491.0	ND	ND	1,141.0	ND	773.0	368.0
FS74	6/28/2024	16	Composite	In-Situ	2,790.0	ND	ND	889.0	ND	546.0	343.0
FS75	6/28/2024	16	Composite	In-Situ	3,920.0	ND	ND	378.0	ND	227.0	151.0
FS76	6/28/2024	16	Composite	Excavated	1,520.0	ND	ND	5,360.0	ND	3,380.0	1,980.0
F5/0	7/25/2024	17	Composite	In-Situ	545.0	ND	ND	200.0	ND	200.0	ND
FS77	6/28/2024	8	Composite	In-Situ	145	ND	ND	988.0	ND	469.0	519.0
FS78	6/28/2024	4	Composite	In-Situ	107	ND	ND	742.0	ND	369.0	373.0
FS79	6/28/2024	20	Composite	Excavated	3,070.0	ND	ND	6,150.0	ND	3,620.0	2,530.0
	7/25/2024	20	Composite	In-Situ	469.0	ND	ND	1,125.0	ND	687.0	438.0
FS80	6/28/2024	16	Composite	In-Situ	951.0	ND	ND	1,089.0	ND	522.0	567.0
FS81	6/28/2024	16	Composite	In-Situ	4,710.0	ND	ND	248.6	ND	152.0	96.6
FS82	6/28/2024	20	Composite	Excavated	230.0	ND	ND	2,209.0	ND	1,390.0	819.0
	7/25/2024	20	Composite	In-Situ	160.0	ND	ND	51.0	ND	51.0	ND
FS83	6/28/2024	4	Composite	In-Situ	767.0	ND	ND	517.0	ND ND	256.0	261.0
FS84	6/28/2024	12	Composite	In-Situ	842.0	ND	ND	1,506.0	ND ND	913.0	593.0
FS85	6/28/2024	16	Composite	In-Situ	791.0	ND ND	ND ND	1,074.0	ND ND	654.0	420.0
FS86	6/28/2024 7/25/2024	16 17	Composite Composite	Excavated In-Situ	1,520.0 101.0	ND ND	ND ND	6,600.0 82.2	ND ND	3,920.0 82.2	2,680.0 ND
FS87	6/28/2024	12	Composite	In-Situ In-Situ	649.0	ND ND	ND ND	320.0	ND ND	157.0	163.0
FS88	6/28/2024	12	Composite	In-Situ In-Situ	698.0	ND ND	ND ND	514.0	ND ND	514.0	0.0
FS89	6/28/2024	12	Composite	In-Situ	1,060.0	ND ND	ND ND	49.7	ND ND	49.7	0.0
	6/28/2024	8	Composite	Excavated	45.7	ND ND	ND ND	2,028.0	ND ND	1,080.0	948.0
FS90	7/25/2024	9	Composite	In-Situ	23.1	ND	ND	98.3	ND ND	98.3	ND
FS91	6/28/2024	4	Composite	In-Situ	43.5	ND	ND	1,201.0	ND	707.0	494.0
FS92	6/28/2024	8	Composite	In-Situ	408.0	ND	ND	421.0	ND	200.0	221.0
FS93	6/28/2024	8	Composite	In-Situ	749.0	ND	ND	816.0	ND	369.0	447.0
FS94	6/28/2024	8	Composite	In-Situ	737.0	ND	ND	973.0	ND	386.0	587.0
FS95	6/28/2024	8	Composite	In-Situ	804.0	ND	ND	1,236.0	ND	558.0	678.0
FS96	6/28/2024	4	Composite	In-Situ	187.0	ND	ND	376.0	ND	188.0	188.0
FS97	6/28/2024	4	Composite	In-Situ	86.6	ND	ND	675.0	ND	405.0	270.0
FS98	6/28/2024	8	Composite	In-Situ	116.0	ND	ND	656.0	ND	398.0	258.0
FS99	6/28/2024	4	Composite	In-Situ	22.4	ND	ND	429.0	ND	282.0	147.0
FS100	6/28/2024	4	Composite	In-Situ	102.0	ND	ND	299.0	ND	196.0	103.0
FS101	6/28/2024	4	Composite	In-Situ	42.1	ND	ND	152.7	ND	84.5	68.2
FS102	6/28/2024	4	Composite	In-Situ	215.0	ND	ND	312.0	ND	193.0	119.0
FS103	6/28/2024	4	Composite	In-Situ	22.5	ND	ND	454.0	ND	293.0	161.0
NMOCD R	eclamation Stan				600 10,000	10	50	100		00	NA
	ediation Standar					10	50	2,500		000	NA

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.





BTEX = Benzene, toluene, ethylbenzene, and total xylenes
 TPH = Total petroleum hydrocarbons
 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

^{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 Wall Samples Project Code: KH247005 - Targa Resources - Leak #149 NMOCD Reference No. nAPP2335429970

E-SW-01 E-SW-02 E-SW-03 E-SW-04	2/21/2024 6/3/2024 6/3/2024 6/3/2024 6/3/2024 6/28/2024	0 0	(ft bgs)			CDA Mathad	EDA Mathad	(mg/Kg)	(mg/Kg)	(C6-C10) (mg/Kg)	(Over C10-C28) (mg/Kg)	(Over C28-C36) (mg/Kg)
E-SW-02 -	6/3/2024 6/3/2024 6/3/2024 6/3/2024	0	l.			EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
E-SW-02 -	6/3/2024 6/3/2024 6/3/2024 6/3/2024	0					on Wall Samp			00-011	00-011	000011
E-SW-02 -	6/3/2024 6/3/2024 6/3/2024 6/3/2024	0	2	Composite	Excavated	ND	ND	ND	ND	ND	ND	ND
E-SW-03	6/3/2024 6/3/2024 6/3/2024		4	Composite	In-situ	40.1	ND	ND	ND	ND	ND	ND
	6/3/2024 6/3/2024	4	6	Composite	In-situ	69.8	ND	ND	35.9	ND	35.9	ND
	6/3/2024	0	4	Composite	In-situ	61.6	ND	ND	ND	ND	ND	ND
E-SW-04		4	6	Composite	In-situ	296	ND	ND	ND	ND	ND	ND
E-SW-04 -		0	4	Composite	Excavated	91.8	ND	ND	1,608.0	ND	1,040.0	568.0
E-SW-04	7/25/2024	0	4	Composite	In-situ	ND	ND	ND	64.7	ND	64.7	ND
E-SW-04 -	6/28/2024	4	8	Composite	Excavated	356.0	ND	ND	2,550.0	ND	1,540.0	1,010.0
-	7/25/2024	4	8	Composite	In-situ	51.4	ND	ND	517	ND	283	234
<u> </u>	6/28/2024	8	16	Composite	Excavated	1,360.0	ND	ND	6,630.0	ND	3,460.0	3,170.0
	7/25/2024	8	16	Composite	In-situ	36.8	ND	ND	1247	ND	850	397
	2/26/2024	0	3	Composite	In-situ	ND	ND	ND	ND	ND	ND	ND
F	6/28/2024	4	8	Composite	In-situ	3,810.0	ND	ND	700.0	ND	404.0	296.0
N-SW-01	6/28/2024	8	16	Composite	Excavated	4,500.0	ND	ND	5,220.0	ND	3,020.0	2,200.0
	7/25/2024	8	16	Composite	In-situ	2,500.0	ND	ND	892.0		563.0	329.0
	6/28/2024	16	20	Composite	In-situ	854.0	ND	ND	165.1	ND	93.8	71.3
N-SW-02	2/26/2024	0	3	Composite	In-situ	ND	ND	ND	ND	ND	ND	ND
	6/3/2024	0	4	Composite	In-situ	ND	ND	ND	ND	ND	ND	ND
N-SW-03	6/3/2024	4	6	Composite	In-situ	150	ND	ND	ND	ND	ND	ND
	6/28/2024	0	4	Composite	In-situ	ND	ND	ND	ND	ND	ND	ND
	6/28/2024	4	8	Composite	In-situ	34.1	ND	ND	ND	ND	ND	ND
N-SW-04	6/28/2024	8	16	Composite	Excavated	970.0	ND	ND	2,720.0	ND	1,500.0	1,220.0
	7/25/2024	8	16	Composite	In-situ	276.0	ND	ND	564.0	ND	564.0	ND
	6/28/2024	16	20	Composite	In-situ	556.0	ND	ND	1,393.0	ND	824.0	569.0
S-SW-01	2/21/2024	0	4	Composite	In-situ	33	ND	ND	ND	ND	ND	ND
S-SW-02	2/21/2024	0	3	Composite	In-situ	ND	ND	ND	ND	ND	ND	ND
	6/3/2024	0	4	Composite	In-situ	ND	ND	ND	ND	ND	ND	ND
S-SW-03	6/3/2024	4	5	Composite	In-situ	24.3	ND	ND	62.5	ND	62.5	ND
C CW 04	6/3/2024	0	4	Composite	In-situ	20.1	ND	ND	ND	ND	ND	ND
S-SW-04	6/3/2024	4	6	Composite	In-situ	48.8	ND	ND	ND	ND	ND	ND
	6/28/2024	0	4	Composite	Excavated	875.0	ND	ND	ND	ND	ND	ND
	8/8/2024	0	4	Composite	In-situ	ND	ND	ND	70.3	ND	70.3	ND
S-SW-05	6/28/2024	4	8	Composite	In-situ	1,410.0	ND	ND	58.0	ND	58.0	ND
	6/28/2024	8	16	Composite	In-situ	1,650.0	ND	ND	35.4	ND	35.4	ND
F	6/28/2024	16	20	Composite	In-situ	6,660.0	ND	ND	135.0	ND	135.0	113.0
	6/28/2024	0	4	Composite	In-situ	514.0	ND	ND	ND	ND	ND	ND
F	6/28/2024	4	8	Composite	In-situ	405.0	ND	ND	ND	ND	ND	ND
S-SW-06	6/28/2024	8	16	Composite	In-situ	1,590.0	ND	ND	ND	ND	ND	ND
Г	6/28/2024	16	20	Composite	Excavated	687.0	ND	ND	2,740.0	ND	1,540.0	1,200.0
	7/25/2024	16	20	Composite	In-situ	579.0	ND	ND	145.0	ND	145.0	ND
	2/26/2024	0	3	Composite	In-situ	ND	ND	ND	ND	ND	ND	ND
Γ	6/28/2024	4	8	Composite	Excavated	1,650.0	ND	ND	3,460.0	ND	902.0	644.0
W-SW-01	7/25/2024	4	8	Composite	In-situ	499.0	ND	ND	28.9	ND	28.9	ND
	6/28/2024	8	16	Composite	Excavated	2,360.0	ND	ND	3,970.0	ND	2,460.0	1,510.0
	7/25/2024	8	16	Composite	In-situ	679.0	ND	ND	62.2	ND	62.2	ND
W-SW-02	6/3/2024	0	4	Composite	In-situ	ND	ND	ND	ND	ND	ND	ND
** J** 02	6/3/2024	4	5	Composite	In-situ	ND	ND	ND	ND	ND	ND	ND
W-SW-03	6/3/2024	0	4	Composite	In-situ	30.8	ND	ND	ND	ND	ND	ND
	6/3/2024	4	6	Composite	In-situ	ND	ND	ND	ND	ND	ND	ND
NMO	CD Reclamation	n Standar	ds³ (Surfac	e to 4 ft bgs	;)	600	10	50	100		00	NA
NMOCD Ren	mediation Star	ndards⁴ (Gı	reater than	Depths of 4	ft bgs)	10,000	10	50	2,500	1,0	000	NA

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.



TPH = Total petroleum hydrocarbons
 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.

^{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 3
Soil Analytical Results Summary - Backfill Material
Project Code: KH247005 - Targa Resources - Leak #149
NMOCD Reference No. nAPP2335429970

				NMO	D Reference	No. nAPP233!	5429970			
Sample ID	Sample Date	Sample Depth	Sample Type	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
		(ft bgs)	,,,,,	EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
					Background	Soil Assessme	ent			
N-BF	2/20/2024	0.5	Composite	ND	ND	ND	ND	ND	ND	ND
N-BF	2/22/2024	0.5	Composite	ND	ND	ND	ND	ND	ND	ND
	ļ									
NMOCD Reclan	nation Standards	³ (Surface	to 4 ft bgs)	600	10	50	100	10	00	N/A
NMOCD Rei	mediation Standa	ards ⁴ (Grea	ter than	600	10	50	1,000	1,0	00	N/A

- 1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes
- 2. TPH = Total petroleum hydrocarbons
- 3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegatation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft.
- 4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018
- < = Constituent was not detected above the indicated laboratory sample detection limit (SDL).</p>

NA = Not Analyzed

Bold denotes concentrations above applicable laboratory SDLs.

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

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

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



APPENDIX C – ENVIRONMENTAL REPORT WITH BORING LOGS

1R - 484

REPORTS

DATE:

Aug. 26, 2009



August 26, 2009

Mr. Edward Hansen State of New Mexico - Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Environmental Bureau Oil Conservation Division

RE:

OCD Remediation Project Nos. 1R-483, Elliott B-9 #1,4,&5 Tank Battery, Unit C (NE/4, NW/4), Section 9, T22S, R37E, and 1R-484, Elliott B-9 #2 & 3 Tank Battery Unit D (NW/4, NW/4), Section 9, T22S, R37E, Release Delineation Report, John H. Hendrix Corporation, Lea County, New Mexico

Dear Mr. Hansen:

This report is submitted to the State of New Mexico Oil Conservation Division on behalf of John H. Hendrix Corporation (JHHC) by Larson and Associates, Inc., its agent, and presents the results of remedial actions performed at the referenced sites. LAI and JHHC respectfully request a 180 day remediation design extension to negotiate groundwater extraction for remediation with the Office of the State Engineer (OSE), and to design remediation system consistent with OSE requirements.

This report combines the evaluation of two nearby sites since the data from each site separately does not plot well for graphics, and the physical characteristics of the site areas are very similar. However, remediation efforts will be treated separately.

If you have any questions or concerns, please call me at 432.687.0901 to discuss.

Sincerely,

LARSON & ASSOCIATES, INC.

William D. Green, PG No. 136

Texas Licensed Professional Geologist

wgreen@laenvironmental.com

Attachments

CC

Ms. Carolyn Haynes – JHHC Midland Mr. Larry Johnson – OCD District 1

RECEIVED

AIIG 2 8 2009

Environmental Bureau
Oil Conservation Division

Release Delineation Report

1R-483 & 1R-484
Elliott B-9 #1, 4, &5 Tank Battery &
Elliott B-9 #2 & 3 Tank Battery
Unit C & D, Section 9, T22S, R37E
Lea County, New Mexico

OCD Project Nos. 1R-483 & 1R-484

LAI Project Nos. 6-0104-02, -03

August 26, 2009

Prepared for: John H Hendrix Corporation 110 N Marienfeld, Suite 400 Midland, TX 79701-4461

Prepared by: William D. Green, PG No. 136 Texas Registered Professional Geologist

Larson & Associates, Inc. 507 North Marienfeld, Suite 200 Midland, Texas 79701

August 26, 2009

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Laboratory Reports

August 26, 2009

Executive Summary

This report is submitted to the State of New Mexico Oil Conservation Division (OCD) on behalf of John H. Hendrix Corporation (JHHC) by Larson and Associates, Inc. (LAI), its agent, and presents the results of delineation at referenced leak sites. The report has been prepared based upon the *Guidelines for Remediation of Leaks, Spiils and Releases* (OCD, August 13, 1993), with a slight deviation.

Two site investigations are presented in this report since both locations are nearby (both sites are in the N/2 of the NW/4 of Section 9), are similar in contaminants of concern, and the three monitor wells associated with each site are near linear in placement, limiting the ability to determine groundwater gradient and chemical distribution for individual sites.

Responsible Party Contact Information

JHHC's contact for environmental concerns is:

Ms. Carolyn Haynes
John H. Hendrix Corporation
110 N. Marienfeld, Suite 400
Midland, Texas 79701
Office – 432.684.6631, Cell – 575.390.9689
Email – cdoranhaynes@jhhc.org

Historic Information

Site releases were identified through the investigation of closed production pits. Both sites are located approximately 1.5 miles south of Eunice, New Mexico. Figure 1 presents the site locations plotted on a topographic map.

General Site Characteristics

The release locations are at latitude N 32° 24′ 44.63″, longitude W 103° 10′ 31.30″ for the #2&3 site, and N 32° 24′ 37.28″, W 103° 10′ 11.77″ for the #1,4,5 site (Figure 1). The surface estate is owned by Mr. Charlie Bettis and is used for oil and gas production and occasional livestock grazing.

The surface elevation is approximately 3,420 feet above mean sea level and slope gently east-southeast. The nearest surface water is more than two miles from either location. Surface soil is comprised of windblown sand with a vegetation cover of shin oak, sand burr grass, and yucca. No water wells were identified within 1,000 feet of either site using the Office of the State Engineer (OSE) Water Right Lookup database.

Several pipelines are either within the release investigation areas, or are adjacent to the points of release (Figures 2 and 3).

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Geology

The Geologic Map of New Mexico (2003) and the Geologic Atlas of Texas, Hobbs Sheet indicate the vicinity's surface geology is comprised of Holocene to mid-Pleistocene age interlaid eolian and piedmont-slope deposits. This material covers the eastern flank of the Pecos River valley. These surficial deposits are primarily derived from reworking the underlying Tertiary-aged Ogallala Formation of the Southern High Plains, which are also comprised of alluvial and eolian deposits with petrocalcic soils. The Ogallala Formation is comprised of fluviatile sand, silt, clay and localized gravel, with indistinct to massive crossbeds. The Ogallala sand is generally fine- to medium-grained quartz, and is known to contain arsenic, barium and other heavy metals in an easily mobilized Van der Waals bonded surficial coating.

Monitor well boring logs indicate a general lithology of an unconsolidated veneer of eolian sand over an eight- to 20-foot thickness of carbonate-indurated sand (caliche). The caliche layer is most like the zone of illuviation where carbonate dust accumulates from surface transportation by meteoric water movement. Beneath the caliche layer is a thickness of fine-grained reddish-yellow quartz sand. Redbeds were not encountered at 90' bgs. Depth to groundwater is between 75 and 80 feet below ground surface (bgs), based on monitor wells data (Table 1).

Regional Structure

The site is located over the north-central portion of the Central Basin Platform, a large elevated block between the Delaware and Midland Basins of southeastern New Mexico and West Texas. Prior to late Mississippian time this region had only mild structural deformation, producing broad shallow depressions and regional arches. Tectonic events associated with the Marathon-Ouachita orogeny in the late Mississippian uplifted the platform and subsequent Pennsylvanian and early Permian deformation compressed and faulted the area. Deformation ceased in the early Permian, as evidenced by high angle faulting that ended during Wolfcampian-aged sedimentation, and the presence of younger strata draped over the preexisting structures. A period of tectonic quiescence followed, during which erosion and gradual subsidence took place. An expanding sea eventually covered the area, depositing several thousand feet of evaporites, carbonates, and shales.

During Triassic time the region underwent slow uplift and erosion followed by down-warping that created a large landlocked basin that was filled with sediments that accumulated in flood plain, deltaic and lacustrine environments. This was followed by another period of erosion during Jurassic time, and a final marine inundation by Cretaceous seas, resulting in the deposition of a basal clastic unit with overlying marine shales and carbonates.

The Laramide Orogeny (when Rocky Mountains were formed) uplifted the area west of the Permian Basin and the Cretaceous sea retreated to the south and east. There has been no significant faulting since Permian time; only gentle regional tilting with some local folding and small scale faulting. Hills (1970) postulated that later normal movement may have occurred by reactivation of existing faults, but that the movement was not sufficient to noticeably displace the overlying Permian strata. Hills (1970) further postulated that late movement along the faults may have created a conduit for fresh water for dissolution of Permian evaporate beds. The faults and fractures in the vicinity of the site do not appear to be active. Tension fractures being somewhat more open may be able to hold water longer and

August 26, 2009

thereby account for the enhanced vegetation and development of erosional features such as playas along fractures. A magnitude 5 earthquake beneath the Drinkard Oilfield, approximately seven miles southeast of the facilities, demonstrates that the region is not totally without seismic activity.

Regional Stratigraphy

Regionally, the Precambrian basement is overlain by marine Cambro-Ordovician platform carbonates and Silurian-Devonian carbonates and shales. These sediments are truncated unconformably by Permian deposits consisting of marine shale, limestone, sandstone, marl, and evaporites. Permian age deposits are unconformably overlain by the Triassic Chinle Group. The Triassic Chinle Group is described as a series of fluvial and lacustrine mudstone, siltstone, sandstone, and silty dolomite strata. Cretaceous sediment strata were deposited as a shallow sea transgressed across the region, and unconformably overlie the Chinle Group. As the shallow sea regressed much of the Cretaceous section was eroded away prior to deposition of the overlying Tertiary Ogallala Formation. The depositional facies of the Ogallala Formation is a series of fluvial valley fills with both valley fills and interfluves overlain by eolian sediments. The Quaternary Blackwater Draw Formation, which overlies the Tertiary Ogallala Formation, consists of windblown sands, silts, and clays.

In the Eunice area, the Ogallala formation consists mainly of unconsolidated to poorly consolidated, very fine to medium-grained sand and gravel, with minor amount of silt and clay up to 30 feet thick under the site. Locally the "c" horizon of the modern soil is called the caprock caliche. The caprock is a hard, erosion resistant, pedogenic calcrete that is typically five to ten feet thick but may exceed 20 feet in some areas. In areas, the caliche is actually forming in, and incorporating, Holocene sediments, and often "Caprock" is a misnomer, as the caprock can be found as a deeper stratum in these areas. The upper-most unit, the Blackwater Draw Formation, consists of reddish brown, very fine to fine grained eolian sand with minor amounts of clay and caliche.

Groundwater Investigation

Prior reported investigation activities consist of the installation of two monitor wells at each location. MW-01s for both sites were installed on October 16, 2007 near the southeast (downgradient) corners of the release area. The results of these wells indicated impacted water quality with both sites exhibiting chloride and total dissolved solids (TDS) concentrations exceeding New Mexico Water Quality Control Commission Domestic Water Supply (DWS) standards. Hydrocarbons and targeted volatile organic compounds were not detected in either well. MW-02s were installed upgradient of both sites on December 3, 2007. Both of these wells had chloride and TDS values within the DWS standards. Copies of all boring logs associated with both locations are presented in Appendix A.

On June 29, 2009, LAI installed MW-03s in the downgradient direction, with locations concurred upon by the OCD (Appendix B). Again, both wells exhibited chloride and TDS values below DWS standards. Details of each site investigation are presented in the following sections.

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Elliott B-9 #1,4,5 Tank Battery

This is the east-most of the two facilities. The three monitor wells associated with this facility are in a nearly straight line following the apparent groundwater gradient based upon a combined site Surfer® plot (Figure 3). Gauging data on June 30, 2009 indicates a slight groundwater mound exists under MW-01. Groundwater elevation is between 3,345.26 feet (MW-03) and 3,346.30 feet (MW-01). Groundwater gradient direction is towards the east-southeast based upon the plot of the two facilities, but may be more southerly than the near linear monitor well configuration suggests. Groundwater gradient slope between the two facilities is approximately 0.00109 ft/ft.

Chloride and TDS concentrations exhibited during June 2009 were below DWS standards for MW-02 and MW-03, while MW-01 exhibited 660 milligrams/liter (mg/l, parts per million) and 1,840 mg/l, respectfully (Figures 4 & 5).

Elliot B-9 #2&3 Tank Battery

This is the western of the two facilities. The three monitor wells associated with this facility are in a "dog-leg" configuration (Figure 3). Gauging data on June 30, 2009 indicates generally laminar groundwater flow. Groundwater elevation is between 3,346.30 feet (MW-03) and 3,347.44 feet (MW-01). Groundwater gradient direction is towards the east-southeast with an onsite slope of approximately 0.0021 ft/ft.

Chloride and TDS concentrations exhibited during June 2009 were below DWS standards for MW-02 and MW-03, while MW-01 exhibited 4,500 mg/l and 7,790 mg/l, respectfully (Figures 4 & 5).

Remedial Options

In the Eunice, NM area, groundwater discharge rates are generally very low. Recovering five gallons per hour (gph) per well is often beyond well production capacity in this region. However, groundwater extraction is not the primary concern at this site.

A New Mexico OSE permit to extract groundwater requires the point of diversion be used for a beneficial purpose. Hindering the design of a remediation program is the fact that there is no viable beneficial use of extracted groundwater as there are no livestock or croplands in the vicinity of the sites. Extracting and disposing chloride-impacted groundwater to protect the remaining groundwater is not considered a beneficial use.

JHHC intend to include all site monitor wells in the quarterly sampling plan, with the next event tentatively scheduled for October 2009. The acquisition of added data will assist in the design and implementation of an effective remediation effort.

LAI and JHHC respectfully request a 180 day extension to negotiate groundwater extraction for remediation with the Office of the State Engineer, and to design remediation system consistent with OSE requirements.

August 26, 2009

Conclusions

- Groundwater gradient slope between the two facilities is towards the east-southeast at approximately 0.00109 ft/ft.
- Elliott B-9 #1,4,5 Tank Battery has chloride and TDS concentrations exceeding DWS values in MW-01, 660 mg/l and 1,840 mg/l, respectfully. MW-02 (upgradient) and MW-03 (downgradient) are within DWS values.
- Elliot B-9 #2&3 Tank Battery has chloride and TDS concentrations exceeding DWS values in MW-01, 4,500 mg/l and 7,790 mg/l, respectfully. MW-02 (upgradient) and MW-03 (downgradient) are within DWS values.

Table 1

Monitor Well Completion and Gauging Summary
John H. Hendrix Corporation
Elliott B-9 Tank Battery #1, #4 and #5 (1R0483)
Unit C (NE/4,NW/4), Section 9, Township 22 South, Range 37 East
Lea County, New Mexico

Well Information	tion							Groundwater Data	Data			
Well ID	Date Drilled	Drilled Depth (bgs)	Well Diameter (inches)	Surface Elevation	Screen Interval (bgs)	Casing Stickup	TOC Elevation Date Gauged	Date Gauged	Well Depth from TOC	Depth to Fluid	Depth to Water	Corrected Water Elevation
MW-1	10/16/2007	9.0	2	3,424.90	67.03 - 86.34	2.29	3,427.19	10/16/2007	90.27		75.57	3,349.22
								4/7/2008		1	81.08	3,346.11
	-							9/4/2008		;	78.35	3,348.84
								6/3/2009		ł	80.90	3,346.29
								6/30/2009		ł	80.89	3,346.30
MW-2	12/3/2007	91	2	3,423.50	70.50 - 89.81	3.06	3,426.56	12/4/2007	92.84		78.79	3,347.77
								4/7/2008		1	81.10	3,345.46
								9/4/2008		;	78.63	3,347.93
								6/3/2009		1	80.87	3,345.69
								6/30/2009		1	80.81	3,345.75
MW-3	6/29/2009	68	2	3,424.40	68 - 69	3.14	3,427.54	6/30/2009	92.28	1	82.28	3,345.26
			+									

Notes

bgs - below ground surface

TOC - top of casing

Wells drilled and constructed by Scarborough Drilling, Inc., Lamesa, Texas, Schedule 40 threaded PVC casing and screen.

Table 1

Monitor Well Completion and Gauging Summary
John H. Hendrix Corporation
Elliott B-9 Tank Battery #2 and #3 (1R0484)
Unit D (NW/4,NW/4), Section 9, Township 22 South, Range 37 East
Lea County, New Mexico

Well Information	tion							Groundwater Data	Data			
Well ID	Date Drilled	Drilled Depth (bgs)	Well Diameter (inches)	Surface. Elevation	Screen Interval (bgs)	Casing Stickup	TOC Elevation	Date Gauged	Well Depth from TOC	Depth to Fluid	Depth to Water	Corrected Water Elevation
îvîw-1	10/16/2007	06	Ž	3,425.80	66.13 - 85.07	2.61	3,428.41	10/16/2007	85.00	:	79.44	3,348.97
								4/7/2008		1	82.13	3,346.28
								9/4/2008		;	82.11	3,346.30
								6/3/2009		1	81.94	3,346.47
								6/30/2009		ŀ	81.97	3,346.44
				_								
MW-2	12/3/2007	06	2	3,425.40	66.13 - 85.44	2.59	3,427.99	12/4/2007	86.07	1	79.48	3,348.51
								4/7/2008		1	80.75	3,347.24
								9/4/2008		1	80.73	3,347.26
								6/3/2009		1	80.57	3,347.42
								6/30/2009		1	80.55	3,347.44
MW-3	6/58/5009	98	2	3.424.70	98 - 99	2.34	3.427.04	6/30/2009	89.93	-	80.74	3,346.30
			l				· ·					

Notes

bgs - below ground surface

TOC - top of casing

Wells drilled and constructed by Scarborough Drilling, Inc., Lamesa, Texas, Schedule 40 screw-threaded PVC casing and screen.

Table 2

Water Quality Parameters Summary John H. Hendrix Corporation

Elliott B-9 Tank Battery #1, #4 and #5 (1R0483)

Unit C (NE/4,NW/4), Section 9, Township 22 South, Range 37 East Lea County, New Mexico

Water Quality	Collection Date	Alkalinity, Total	Chloride	Nitrate	Sulfate	Total Dissolved Solids
NMWQCC	Standard (mg/L)		250	10	600	1000
MW-01	10/16/2007	215	1710	1.83	223	3,300
	4/8/2008	200	2070		214	3,980
ł	9/4/2008	320	936		141	2,240
	6/3/2009	278	660		130	1,840
MW-02	10/16/2007	204	57		88	542
	4/8/2008	240	61.7		87.2	535
	9/4/2008	260	33.3		68.1	438
	6/3/2009	288	56		79.0	492
MW-03	6/30/2009		188			875

Notes

Alkalinity analyzed via EPA Method 310.1.

Anions analyzed via EPA Method 300.

TDS analyzed via EPA Method 160.1.

All values reported in Milligrams per liter (mg/L, parts per million).

< - Indicates the value is less than Method Detection Limit (MDL).

Table 2

Water Quality Parameters Summary John H. Hendrix Corporation

Elliott B-9 Tank Battery #2 and #3 (1R0484)

Unit D (NW/4,NW/4), Section 9, Township 22 South, Range 37 East

Lea County, New Mexico

Water Quality	Collection Date	Alkalinity, Total	Chloride	Nitrate	Sulfate	Total Dissolved Solids
NMWQCC S	Standard (mg/L)		250	10	600	1,000
MW-01	10/16/2007	271	3,500	9.87	243	6,610
	4/8/2008	273	4,410		226	7,980
	9/4/2008	340	3,400		177	6,440
	6/3/2009	342	4,500		202	7,790
MW-02	10/16/2007	188	222		205	973
	4/8/2008	210	229		203	920
İ	9/4/2008	280	194		173	856
	6/3/2009	259	204		188	892
MW-03	6/30/2009		100			622

Notes

Alkalinity analyzed via EPA Method 310.1.

Anions analyzed via EPA Method 300.

TDS analyzed via EPA Method 160.1.

All values reported in Milligrams per liter (mg/L, parts per million).

< - Indicates the value is less than Method Detection Limit (MDL).

Table 1

Monitor Well Completion and Gauging Summary
John H. Hendrix Corporation
Elliott B-9 Tank Battery #1, #4 and #5 (1R0483)
Unit C (NE/4,NW/4), Section 9, Township 22 South, Range 37 East
Lea County, New Mexico

Well Information	ation							Groundwater Data	Data			
Well ID	Date Drilled	Drilled Depth (bgs)	Well Diameter (inches)	Surface Elevation	Screen Interval (bgs)	Casing Stickup	TOC Elevation Date Gauged	Date Gauged	Well Depth from TOC	Depth to Fluid	Depth to Water	Corrected Water Elevation
MW-1	10/16/2007	06	2	3,424.90	67.03 - 86.34	2.29	3,427.19	10/16/2007	90.27	1	72.97	3,349.22
								4/7/2008		1	81.08	3,346.11
								9/4/2008		1	78.35	3,348.84
								6/3/2009		ŀ	80.90	3,346.29
								6/30/2009		ţ	80.89	3,346.30
				_		_						
MW-2	12/3/2007	91	2	3,423.50	70.50 - 89.81	3.06	3,426.56	12/4/2007	92.84	1	78.79	3,347.77
								4/7/2008		1	81.10	3,345.46
						_		9/4/2008		1	78.63	3,347.93
								6/3/2009		1	80.87	3,345.69
								6/30/2009		ļ	80.81	3,345.75
MW-3	6/29/2009	68	2	3,424.40	68 - 69	3.14	3,427.54	6/30/2009	92.28	ŀ	82.28	3,345.26

Notes

bgs - below ground surface

TOC - top of casing

Wells drilled and constructed by Scarborough Drilling, Inc., Lamesa, Texas, Schedule 40 threaded PVC casing and screen.

Table 1

Monitor Well Completion and Gauging Summary
John H. Hendrix Corporation
Elliott B-9 Tank Battery #2 and #3 (1R0484)
Unit D (NW/4,NW/4), Section 9, Township 22 South, Range 37 East
Lea County, New Mexico

Well Information	tion							Groundwater Data	Data			
Well ID	Date Drilled	Drilled Depth (bgs)	Well Diameter (inches)	Surface Elevation	Screen Interval (bgs)	Casing Stickup	TOC Elevation	Date Gauged	Well Depth from TOC	Depth to Fluid	Depth to Water	Corrected Water Elevation
MW-1	10/15/2007	9.0	2	3,425.80	66.13 - 85.07	2.61	3,428.41	10/16/2007	85.00	1	79.44	3,348.97
								4/7/2008		ļ	82.13	3,346.28
								9/4/2008		1	82.11	3,346.30
								6/3/2009		1	81.94	3,346.47
								6/30/2009		ł	81.97	3,346.44
MW-2	12/3/2007	06	2	3,425.40	66.13 - 85.44	2.59	3,427.99	12/4/2007	86.07	1	79.48	3,348.51
								4/7/2008		1	80.75	3,347.24
								9/4/2008		;	80.73	3,347.26
			,					6/3/2009		ł	80.57	3,347.42
								6/30/2009		;	80.55	3,347.44
MW-3	6/29/2009	98	2	3,424.70	98 - 99	2.34	3,427.04	6/30/2009	89.93	1	80.74	3,346.30

Notes

bgs - below ground surface

TOC - top of casing

Wells drilled and constructed by Scarborough Drilling, Inc., Lamesa, Texas, Schedule 40 screw-threaded PVC casing and screen.

Table 2

Water Quality Parameters Summary

John H. Hendrix Corporation

Elliott B-9 Tank Battery #1, #4 and #5 (1R0483)

Unit C (NE/4,NW/4), Section 9, Township 22 South, Range 37 East Lea County, New Mexico

Water Quality	Collection Date	Alkalinity, Total	Chloride	Nitrate	Sulfate	Total Dissolved Solids
NMWQCC S	Standard (mg/L)		250	10	600	1000
MW-01	10/16/2007	215	1710	1.83	223	3,300
	4/8/2008	200	2070		214	3,980
	9/4/2008	320	936		141	2,240
	6/3/2009	278	660		130	1,840
MW-02	10/16/2007	204	57		88	542
	4/8/2008	240	61.7		87.2	535
	9/4/2008	260	33.3		68.1	438
	6/3/2009	288	56		79.0	492
MW-03	6/30/2009		188			875

Notes

Alkalinity analyzed via EPA Method 310.1.

Anions analyzed via EPA Method 300.

TDS analyzed via EPA Method 160.1.

All values reported in Milligrams per liter (mg/L, parts per million).

< - Indicates the value is less than Method Detection Limit (MDL).

Table 2

Water Quality Parameters Summary John H. Hendrix Corporation

Elliott B-9 Tank Battery #2 and #3 (1R0484)

Unit D (NW/4,NW/4), Section 9, Township 22 South, Range 37 East

Lea County, New Mexico

Water Quality	Collection Date	Alkalinity, Total	Chloride	Nitrate	Sulfate	Total Dissolved Solids
NMWQCC S	tandard (mg/L)		250	10	600	1,000
MW-01	10/16/2007	271	3,500	9.87	243	6,610
1	4/8/2008	273	4,410		226	7,980
	9/4/2008	340	3,400		177	6,440
	6/3/2009	342	4,500		202	7,790
MW-02	10/16/2007	188	222		205	973
	4/8/2008	210	229		203	920
	9/4/2008	280	194		173	856
	6/3/2009	259	204		188	892
MW-03	6/30/2009		100			622

Notes

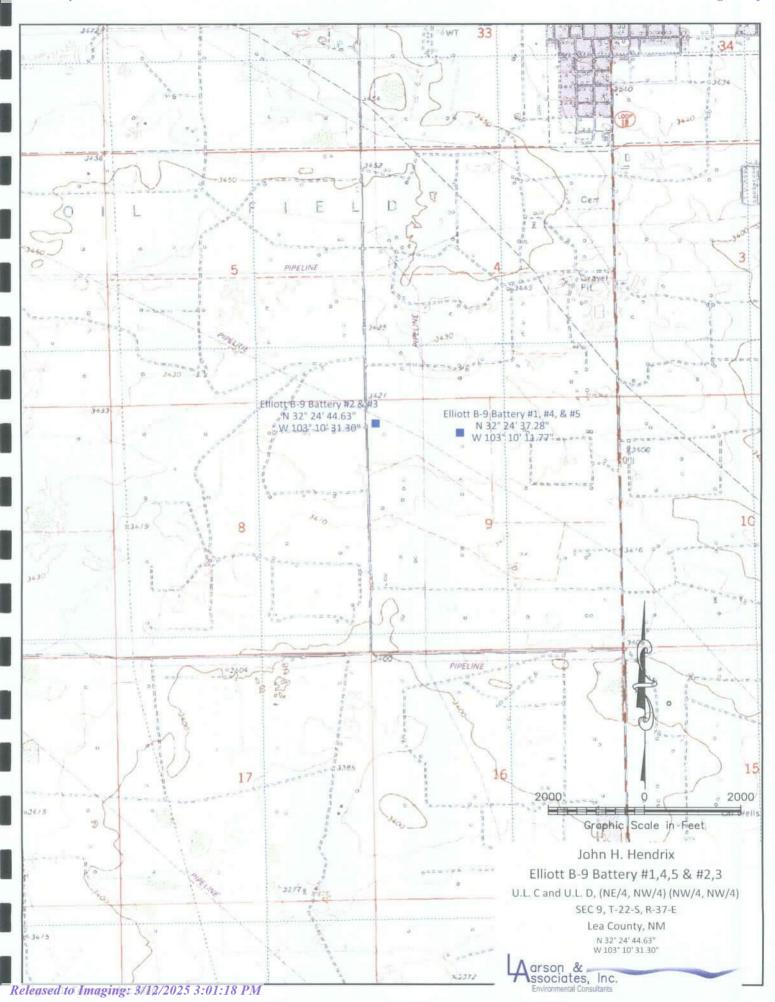
Alkalinity analyzed via EPA Method 310.1.

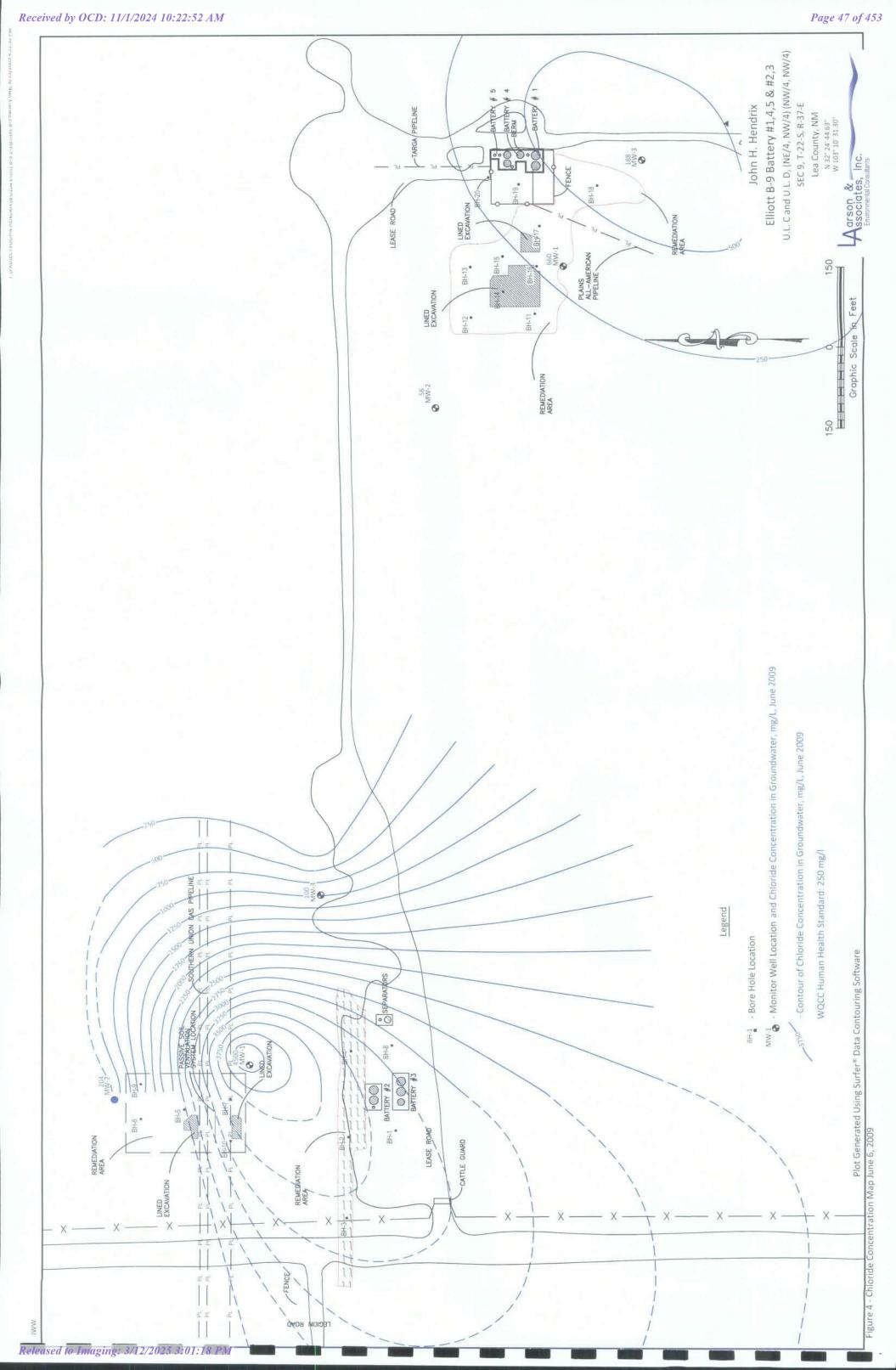
Anions analyzed via EPA Method 300.

TDS analyzed via EPA Method 160.1.

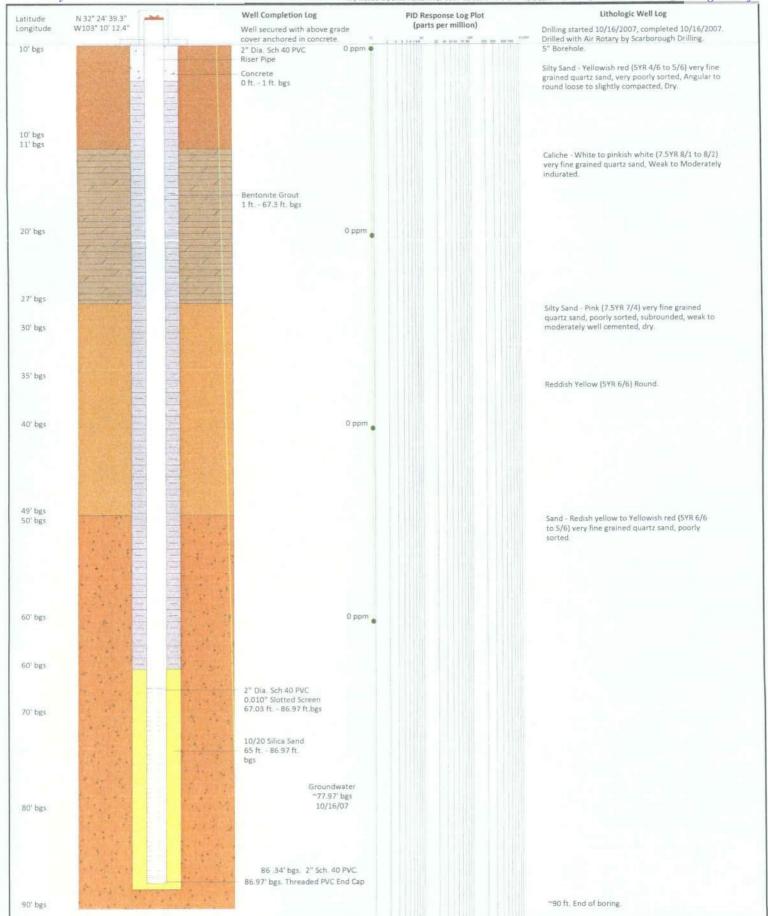
All values reported in Milligrams per liter (mg/L, parts per million).

< - Indicates the value is less than Method Detection Limit (MDL).



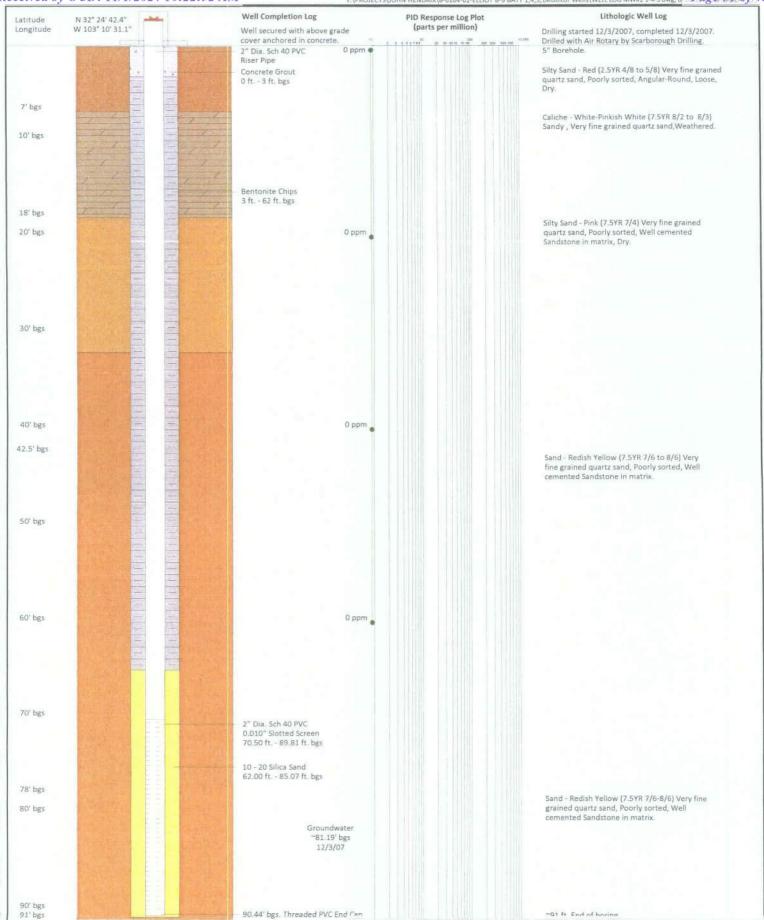


3430 NW-2 (29940C Legend Figure 6 - Cross Section 3415 3345' 3425 3405' 3395' 3385' 3375' 3355' 3365' 3335' 300 Released to Imaging: 3/12/2025 3:01:18 PM



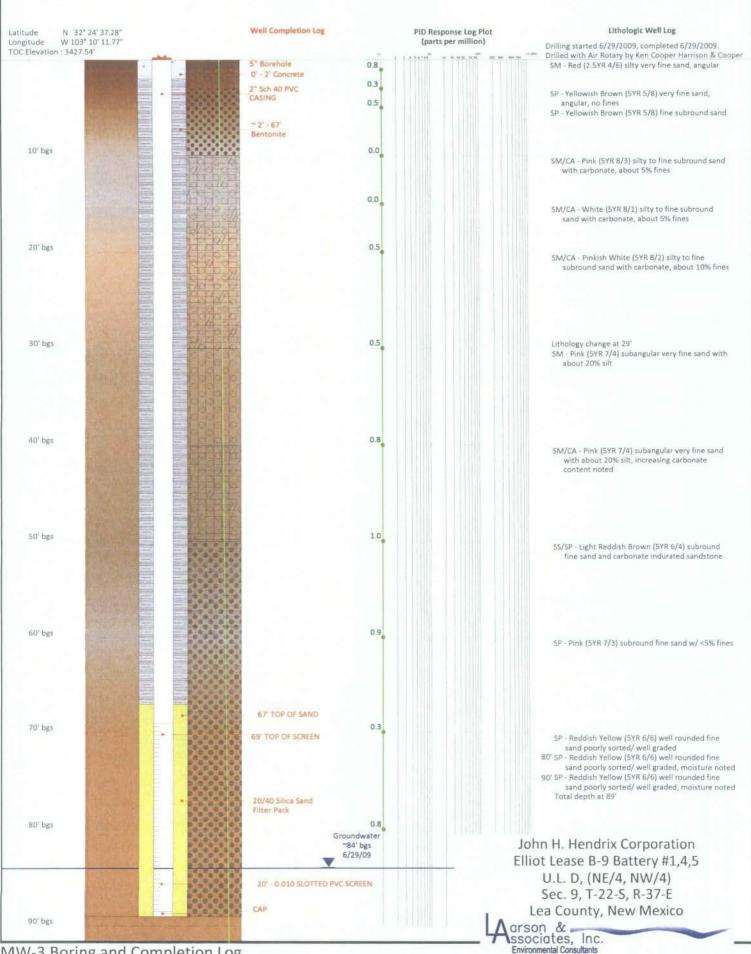
John Hendrix Corporation - Elliot B-9 Battery # 1, 4, & 5 #1R0483

MW-1 Boring & Completion Log Released to Imaging: 3/12/2025 3:01:18 PM Aarson & ssociates, inc.

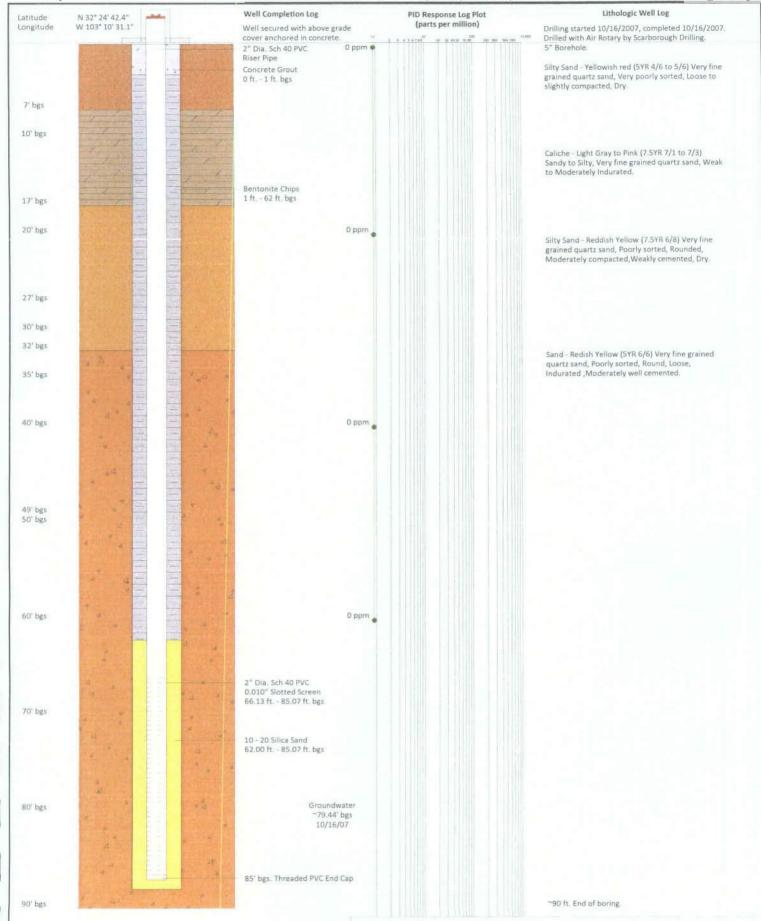


John Hendrix Corporation - Elliot B-9 Battery # 1, 4, & 5 #1R0483

arson & ssociates, inc.



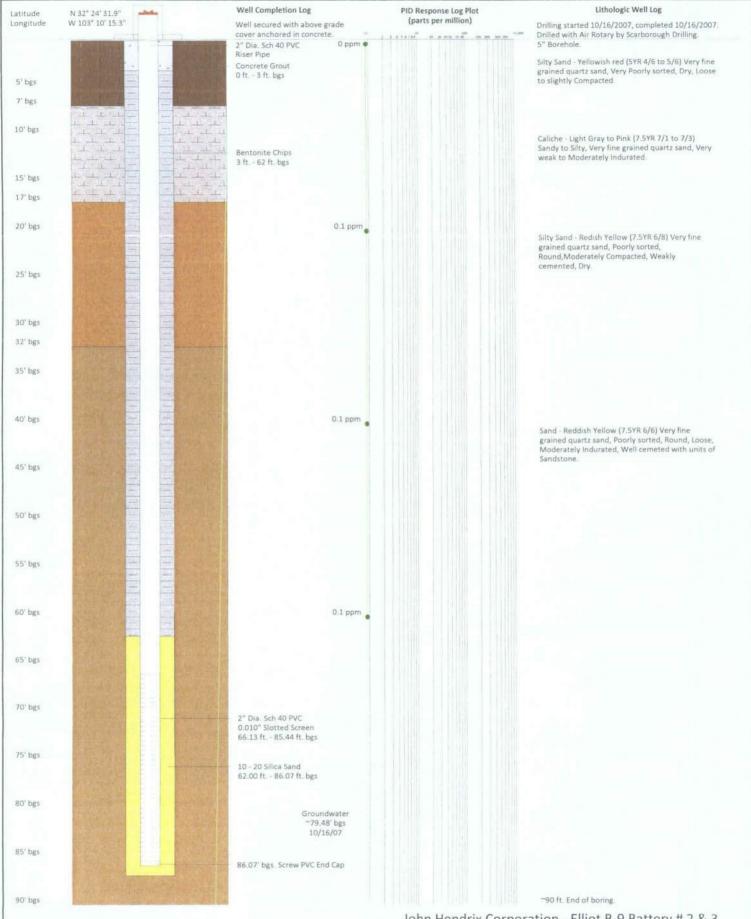
MW-3 Boring and Completion Log Released to Imaging: 3/12/2025 3:01:18 PM



John Hendrix Corporation - Elliot B-9 Battery # 2 & 3

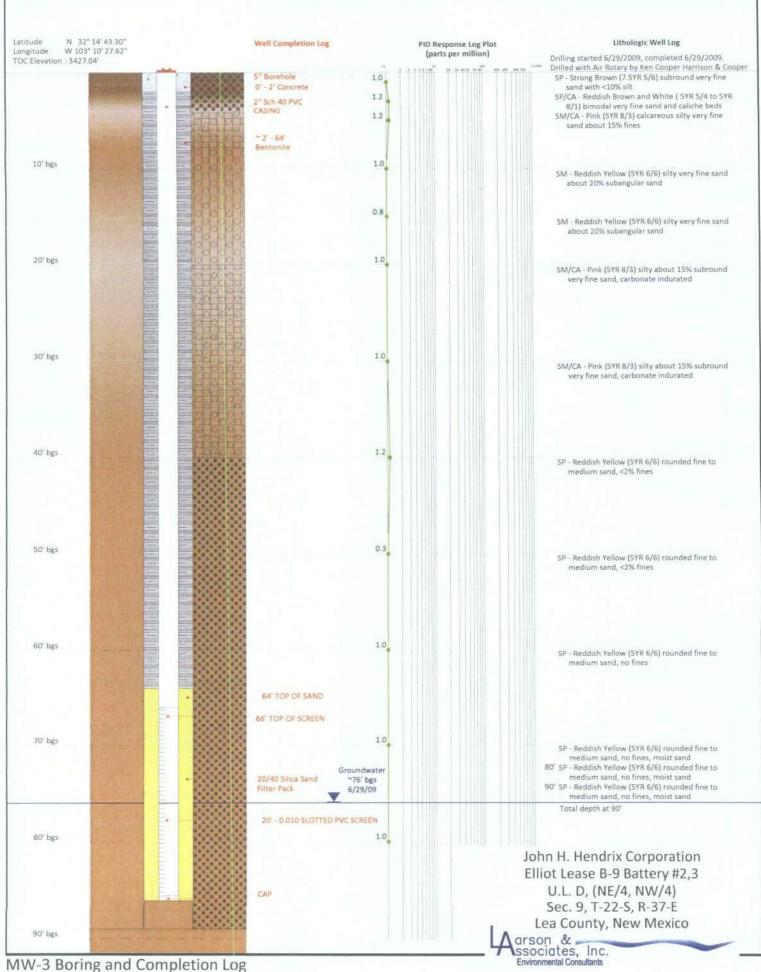
#1R0483

arson & ssociates, inc.



John Hendrix Corporation - Elliot B-9 Battery # 2 & 3 #1R0484

Aarson & ssociates, inc.



MW-3 Boring and Completion Log Released to Imaging: 3/12/2025 3:01:18 PM

William Green

From:

Hansen, Edward J., EMNRD [edwardj.hansen@state.nm.us]

Sent:

Monday, June 01, 2009 4:16 PM

To:

cdoranhaynes@jhhc.org

Cc:

Mark Larson; William Green; VonGonten, Glenn, EMNRD

Subject:

RE: Workplans for 1R-483 and 1R-484, Elliot B-9 Tank Battery #1, #4 and #5, and Elliot B-9

Tank Battery #2 & #3, respectfully

Dear Ms. Haynes:

The New Mexico Oil Conservation Division (OCD) has received the groundwater monitoring wells installation workplan for the above-referenced John H. Hendrix Corp. sites, dated June 1, 2009, and has conducted a review of the plan. The workplan substantially meets the requirements of 19.15.29 NMAC. Therefore, the OCD hereby approves the workplan.

Please be advised that OCD approval of this workplan does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

Please keep in mind that additional wells may need to be installed to determine the full extent of the release.

If you have any questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen

Hydrologist

Environmental Bureau

From: William Green [mailto:wgreen@laenvironmental.com]

Sent: Monday, June 01, 2009 1:25 PM

To: Hansen, Edward J., EMNRD

Cc: cdoranhaynes@jhhc.org; Mark Larson

Subject: Workplans for 1R-483 and 1R-484, Elliot B-9 Tank Battery #1, #4 and #5, and Elliot B-9 Tank Battery #2 & #3,

respectfully

Dear Mr. Hansen,

Attached is a workplan to install monitor wells at the two referenced sites. If you have any questions please feel free to email me or call me at the phone numbers listed below. I will schedule a driller as soon as your approval is received.

Sincerely,

William D. Green, PG No. 136

Larson & Associates, Inc. 507 N. Marienfeld, Suite 200 Midland, Texas 79701



ANALYTICAL RESULTS FOR LARSON & ASSOCIATES, INC. ATTN: MICHELLE GREEN 507 N. MARIEFELD, SUITE 200 MIDLAND, TX 79701

Receiving Date: 06/03/09 Reporting Date: 06/10/09

Project Number: 6-0104-02

Project Name: ELLIOTT B-9 #1, 4 & 5

Project Location: NOT GIVEN

Sampling Date: 06/03/09

Sample Type: GROUND WATER

Sample Condition: COOL & INTACT @ 4°C

Sample Received By: ML Analyzed By: AB/HM

	CI	SO₄	TDS	CO ₃	HCO₃
LAB NO. SAMPLE ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Analysis Date:	06/05/09	06/09/09	06/08/09	06/09/09	06/09/09
H17548-1 MW-1	660	130	1,840	0	278
H17548-2 MW-2	56	79.0	492	0	288
				_	
Quality Control	490	42.7	NR	NR	988
True Value QC	500	40.0	NR	NR	1000
% Recovery	98.0	107	NR	NR	98.8
Relative Percent Difference	< 0.1	3.0	4.1	NR	1.2
METHOD: Standard Methods, EP	4500-CIB	375.4	160.1	310.1	310.1

Chemist'

<u>Ole 110/09</u>

H17548 Larson & Associates

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name: Larsan + Co	Grace.								77/8	10			·	٩	ANALYSIS	i 1	REQUEST			
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	6: 7	Zip:	~	970	7		Attn: (ا لاره	\k/	Hame	7				•				
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Project#: 6 -0104-02	Project Owner:						City:						1 ~			_				
Project Name: Filio# 8-9	# /	**	+	4			State:	,;	7	Zip:		V I	\$							
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† Cardinal cannot accept verbal changes. Please fax written changes to 325-673-7020.



July 3, 2009

Michelle Green Larson & Associates, Inc. 507 North Marienfeld, Suite 202 Midland, TX 79701

Re: Elliot B-9 Battery 1, 4, & 5

Enclosed are the results of analyses for sample number H17723, received by the laboratory on 06/30/09 at 2:20 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Benzene, Toluene, Ethyl Benzene, and Total Xylenes Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005 Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely

Celey D/Reene Laboratory Director



ANALYTICAL RESULTS FOR LARSON & ASSOCIATES, INC. ATTN: MICHELLE GREEN 507 N. MARIENFELD, SUITE 202 MIDLAND, TX 79701

Receiving Date: 06/30/09 Reporting Date: 07/02/09

Project Number: 6-0104-02

Project Name: ELLIOTT B-9 BATTERY 1, 4 & 5

Project Location: ELLIOT B-9 BATTERY 1, 4, & 5

Sampling Date: 06/30/09

Sample Type: GROUND WATER

Sample Condition: COOL & INTACT @ 6°C

Sample Received By: ML

Analyzed By: HM

		CI	TDS
LAB NO. S	AMPLE ID	(mg/L)	(mg/L)
Analysis Date:		07/01/09	07/01/09
H17723-1 N	IVV-3	188	875
			,
Quality Control		500	NR
True Value QC		500	NR
% Recovery		100	NR
Relative Percent Di	fference	< 0.1	<0.1
METHOD: Standard N	Methods, EPA	4500-CIB	160.1

H17723 Larson & Associates

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for enalyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

07/13/09

101 East Marland, Hobbs, NM 88240 (575) 393-2326 Fax (575) 393-2476	Pageof(
Company Name: Larson + Associales	BILL TO ANALYSIS REQUEST
	P.O. #:
te	Company: THE
City: Midland State: 1x Zip: 79701	Attn: Carolyn Hours
Phone #: 432-687-0901 Fax #:	Address:
Project #: 6-0104-02 Project Owner:	City:
Project Name: Ellioff Bof Battery 1, 4 to	State: Zip:
4 3-9	Phone #:
Sampler Name: Don Mc Ginning	Fax#:
	PRESERV. SAMPLING
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† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

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ARDINAL LABORATORIES



ANALYTICAL RESULTS FOR LARSON & ASSOCIATES, INC. ATTN: MICHELLE GREEN 507 N. MARIEFELD, SUITE 200 MIDLAND, TX 79701

Receiving Date: 06/03/09

Reporting Date: 06/10/09 Project Number: 6-0104-03

Project Name: ELLIOTT B-9 #2 & 3 Project Location: NOT GIVEN Sampling Date: 06/03/09

Sample Type: GROUND WATER

Sample Condition: COOL & INTACT @ 2°C

Sample Received By: ML Analyzed By: AB/HM

LAB NO. SA	MPLE ID	CI ⁻ (mg/L)	SO₄ (mg/L)	TDS (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)
Analysis Date:		06/05/09	06/09/09	06/08/09	06/09/09	06/09/09
H17546-1 M\	N-1	4,500	202	7,790	0	342
H17546-2 M\	N-2	204	188	892	0	259
Quality Control		490	42.7	NR	NR	988
True Value QC		500	40.0	NR	NR	1000
% Recovery		98.0	107	NR	NR	98.8
Relative Percent Diff	ference	< 0.1	3.0	1.7	NR	1.2
METHOD: Standard M	ethods, EPA	4500-CIB	375.4	160.1	310.1	310.1

Chemist/

06/16/07

H17546 Larson & Associates

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after complotion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the parformance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Pageof	ANALYSIS REQUEST							81.	000								30 days post due at the rite of 24% per annum from the original data of invoice and all costs of collections, including attorney's fees.	□ Yes □ No Add'l Phone #:		
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obs, NM 88240 (5) 393-2476	BILL TO	P.O. #:	Company: JH#C	Attn: Carolyn Hagan	Address:	<i>'</i> :	te: Zlp:	Phone #:	#3	PRESERV. SAMPLING	АСІФ/ВАЅЕ: ОТИЕЯ: ОТИЕЯ:	6-3	7 6-3			shall be limited to the amount paid by	s made in writing and received by Cardinal within 30 days after completion of the aimess interruptions, lors of use, of loss of profits incurred by client, its subsidiaries where a completions is not only on the aims of the aims of the aims of the aims of the aims.	Planta and the property of the planta and the plant	The Table	CHECKED BY:
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476		P.C	L 200	Zip: 7970/ Attı	Ade	City:	State:	Pho	Fax#:	MATRIX	(G)RAB OR (C)OMP. GROUNDWATER WASTEWATER SOIL OIL OIL OIL THER:	2	-			ctalm arising whether based in contract or tort,	smed waived unless made in writing and recelv thout limitation, business interruptions, loss of a	Received By:	Received By	Toma Cample Condition
2111 Beechwood, Abilene, TX 79603 (325) 673-7001 Fax (325) 673-7020	Lann Char	Michelle Cross	D. Than	State: 7x	1060-189	104-03 Project Owner:	Ellot 8-9 #2+3		De McChrist		Sample I.D.	MU-1	₹-3×			PLEASE NOTE: Lability and Damagas, Cardinal's lability and clent's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the emount paid by the chent for the	analyses. All claims including those for negigence and any other causa whatsoever shall be deemed wathed unless made in writing and received by Cardinal within 30 days after completion of the applicable of the policiable of the special procession of the applicable of the special procession of the special confined by client, its backgrides, and the special confined by client, and the special confined by client, its backgrides, and the special confined by client, and the	Date:		
211	Company Name:	Project Manager:	Address: JD7	City: My dla		Project #: 6 - 0/	Project Name: E	Project Location:		FOR LAB USE ONLY	Lab I.D.	H17546-1	2-			PLEASE NOTE: Liability and Da	analyses. All claims including the sorvice. In no overst shall Cardin	Sampler Relinquished	Rehmquished By:	Delivered By: (Circle One)

† Cardinal cannot accept verbal changes. Please fax written changes to 325-673-7020.

ARDINAL LABORATORIES



July 3, 2009

Michelle Green Larson & Associates, Inc. 507 North Marienfeld, Suite 202 Midland, TX 79701

Re: Elliot B-9 Battery 2, 3

Enclosed are the results of analyses for sample number H17724, received by the laboratory on 06/30/09 at 2:20 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene Laboratory Director



ANALYTICAL RESULTS FOR LARSON & ASSOCIATES, INC. ATTN: MICHELLE GREEN 507 N. MARIENFELD, SUITE 202 MIDLAND, TX 79701

Receiving Date: 06/30/09

Reporting Date: 07/02/09

Project Number: 6-0104-03

Project Name: ELLIOTT B-9 BATTERY 2, 3
Project Location: ELLIOT B-9 BATTERY 2, 3

Sampling Date: 06/30/09

Sample Type: GROUND WATER

Sample Condition: COOL & INTACT @ 5°C

Sample Received By: ML

Analyzed By: HM

LAB NO.	SAMPLE ID	CI ⁻ (mg/L)	TDS (mg/L)
Analysis Date:		07/01/09	07/01/09

Analysis Date:	07/01/09	07/01/09
H17724-1 MW-3	100	622

Quality Control	500	NR
True Value QC	500	NR
% Recovery	100	NR
Relative Percent Difference	< 0.1	<0.1

METHOD: Standard Methods, EPA 4500-CIB 160.1

Chemist

Date

H17724 Larson & Associates

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

(575) 393-2326 Fax (575) 393-2476		Page or
Company Name: Larson JASSOCIOLE FINE	BILL TO	ANALYSIS REQUEST
Project Manager: Michalle Green	P.O. #:	
Address: 507 N Marien Peld	Company: JHHC	
City: Molten State: 7 Zip: 7970]	Attn: Corolyn Hayes	
Phone #: 431 - 687 - 04리 Fax #:	Address:	
Project #: 6-0104-03 Project Owner:	City:	
Project Name: Elliott B.9 Batter/ 23	State: Zip:	
Project Location: பின் பிர் பெரியை 2 3	Phone #:	
Sampler Name: De Mclown	Fax #:	
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	
Sample of Composition	SLUDGE OTHER: ACID/BASE: OCTHER: OTHER: DATE	- 1205 - 1205
7	•	<i>√ √</i>

PLEASE NOTE: Liability and Damages. Cardinal's lability and cilent's activative remody for any claim arising whether based us contract or fort, shall be finited to the amount paid by the client for the analyses. All claims including phose for negligence and any other cause whatsoever shall be demned warried unless made in writing and received by Cardinal within 30 days after completion of the upplicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, toss of use, or loss of profite incurred by client, its subsidiaries.

Sampler Relinquished: Sampler Relinquished: Date: Time: Time: Temp: Sample Condition CheckED BY: Cool Intact Sampler - UPS - Bus - Other: Sampler - UPS - Bus - Other: Sampler - UPS - Bus - Other:	Phone Result:	No Add'i Fax #: No Add'i Fax #:	
ーノコ			

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

20

101 East Marland, Hobbs, NM 88240

ARDINAL LABORATORIES

Closure Documentation
Leak 149 | Lea County, New Mexico
September 13, 2024 | Terracon Project No. KH247005



APPENDIX D - PHOTOGRAPHIC LOG

Facilities | Environmental | Geotechnical | Materials





Photo 1

Point of release looking west



Photo 2 Excavation in progress around pipline intersection 4'-8' bgs looking south





Excavation in progress around pipline intersection 0-16' bgs looking northeast Photo 3



View of fenced off release area surface staining looking north Photo 4



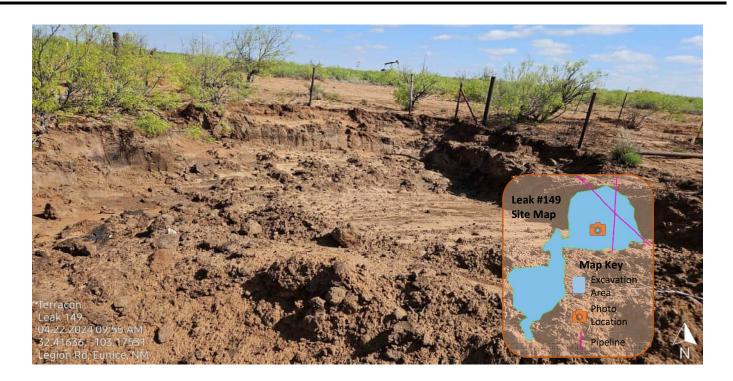


Photo 5

View of Impacted soil 4' bgs looking north



Photo 6

View of Impacted soil 4' bgs (fence removed) looking south



Photo 7 View of excavation in progress staining at 12' bgs looking northeast



Photo 8 View of S-SW

View of S-SW-4 @ 4-20' bgs looking southwest





Photo 9

View of N-SW-1 @ 8-20' bgs looking north



Photo 10

View of release on initial site visit looking north





Photo 11

Excavation complete 4' bgs looking southeast



Photo 12

Excavation complete 4' bgs looking northwest





Photo 13 Excavation complete southeast of pipline intersection 4' bgs looking north

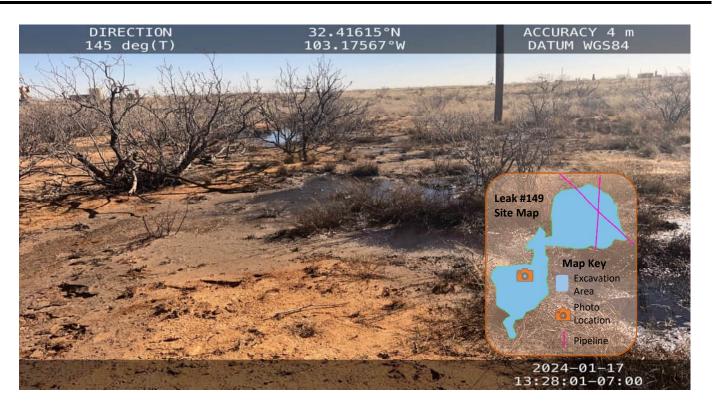


Photo 14 Surface staining near power line / Southern Area looking north





Photo 15 Excavation in progress around powerline / Southern Area looking north



Photo 16

Excavation complete in southern area looking north



Photo 17

Excavation complete in southern area looking north

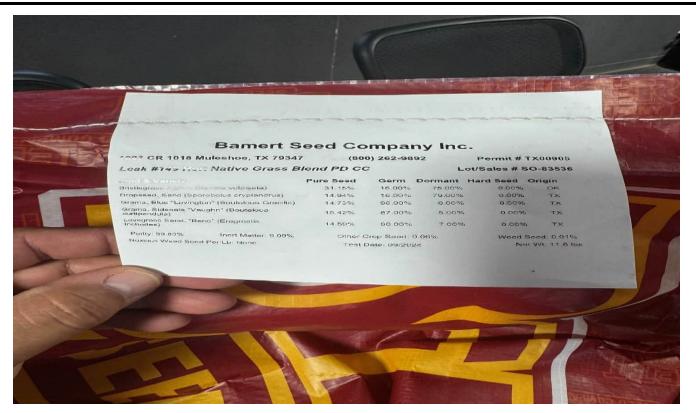


Photo 18 Seed mix

10/2/2024

Lea County
NMOCD ID: nAPP2335429970





Photo 19

Disking of backfilled area in preperation for seeding



Photo 20

Disking of backfilled area in preperation for seeding





Photo 21

Hand broadcasting the backfilled area with seed



Photo 22

Hand broadcasting the backfilled area with seed

10/2/2024

Lea County
NMOCD ID: nAPP2335429970





Photo 23

Watering the seeded raea

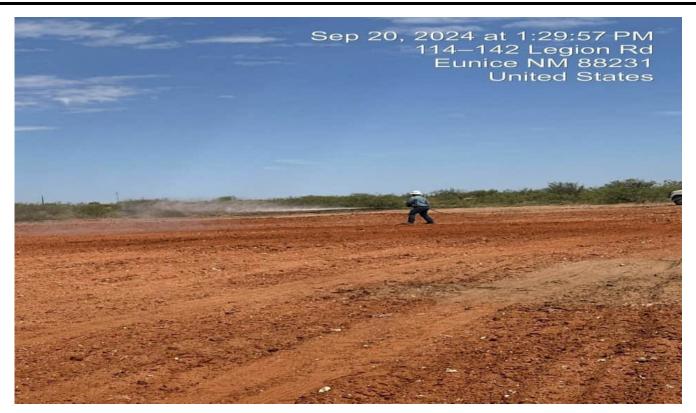


Photo 24

Watering the seeded area

Closure Documentation
Leak 149 | Lea County, New Mexico
September 13, 2024 | Terracon Project No. KH247005



APPENDIX E – ANALYTICAL REPORT AND CHAIN OF CUSTODY

Report to:
Gus Sanchez







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Terracon

Project Name: Leak #149

Work Order: E406050

Job Number: 21102-0001

Received: 6/6/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/14/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/14/24

Gus Sanchez 4518 W. Pierce St Carlsbad, NM 87401

Project Name: Leak #149 Workorder: E406050

Date Received: 6/6/2024 9:00:56AM

Gus Sanchez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/6/2024 9:00:56AM, under the Project Name: Leak #149.

The analytical test results summarized in this report with the Project Name: Leak #149 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Sample Summary

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	Keporteu:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	06/14/24 10:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS-49 5-5	E406050-01A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-50 5-5	E406050-02A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-51 5-5	E406050-03A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-52 6-6	E406050-04A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-53 5-5	E406050-05A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-54 5-5	E406050-06A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-55 5-5	E406050-07A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-56 5-5	E406050-08A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-57 5-5	E406050-09A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-58 5-5	E406050-10A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-59 5-5	E406050-11A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-60 5-5	E406050-12A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-61 6-6	E406050-13A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-62 6-6	E406050-14A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 10:14:45AM

FS-49 5-5 E406050-01

		E400030-01					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2423110
Benzene	ND	0.0250	1	1	06/06/24	06/13/24	
Ethylbenzene	ND	0.0250	1	1	06/06/24	06/13/24	
Toluene	ND	0.0250	1	1	06/06/24	06/13/24	
o-Xylene	ND	0.0250	1	1	06/06/24	06/13/24	
p,m-Xylene	ND	0.0500	1	1	06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1	1	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		06/06/24	06/13/24	
Surrogate: Toluene-d8		98.7 %	70-130		06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2423110
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		06/06/24	06/13/24	
Surrogate: Toluene-d8		98.7 %	70-130		06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2424032
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/11/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/11/24	06/12/24	
Surrogate: n-Nonane		109 %	50-200		06/11/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2424045



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 10:14:45AM

FS-50 5-5 E406050-02

		2.00000 02				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2423110
Benzene	ND	0.0250	1	06/06/24	06/13/24	Buttern 2 (25 110
Ethylbenzene	ND	0.0250	1	06/06/24	06/13/24	
Toluene	ND	0.0250	1	06/06/24	06/13/24	
o-Xylene	ND	0.0250	1	06/06/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		103 %	70-130	06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	06/06/24	06/13/24	
Surrogate: Toluene-d8		98.4 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: BA		Batch: 2423110
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		103 %	70-130	06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	06/06/24	06/13/24	
Surrogate: Toluene-d8		98.4 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2424032
Diesel Range Organics (C10-C28)	28.0	25.0	1	06/11/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/12/24	
Surrogate: n-Nonane		112 %	50-200	06/11/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2424045
Chloride	ND	20.0	1	06/11/24	06/13/24	

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 10:14:45AM

FS-51 5-5 E406050-03

D. I	Reporting			D 1		N.
Result	Limit	Dilt	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	BA		Batch: 2423110
ND	0.0250		1	06/06/24	06/13/24	
ND	0.0250		1	06/06/24	06/13/24	
ND	0.0250		1	06/06/24	06/13/24	
ND	0.0250		1	06/06/24	06/13/24	
ND	0.0500		1	06/06/24	06/13/24	
ND	0.0250		1	06/06/24	06/13/24	
	101 %	70-130		06/06/24	06/13/24	
	96.9 %	70-130		06/06/24	06/13/24	
	100 %	70-130		06/06/24	06/13/24	
mg/kg	mg/kg		Analyst:	BA		Batch: 2423110
ND	20.0		1	06/06/24	06/13/24	
	101 %	70-130		06/06/24	06/13/24	
	96.9 %	70-130		06/06/24	06/13/24	
	100 %	70-130		06/06/24	06/13/24	
mg/kg	mg/kg		Analyst:	KM		Batch: 2424032
ND	25.0		1	06/11/24	06/12/24	
ND	50.0		1	06/11/24	06/12/24	
	109 %	50-200		06/11/24	06/12/24	
mg/kg	mg/kg		Analyst:	DT		Batch: 2424045
ND	20.0		1	06/11/24	06/13/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 IO1 % 96.9 % IO0 % 100 % mg/kg mg/kg ND 20.0 IO1 % 96.9 % IO0 % 100 % mg/kg mg/kg ND 25.0 ND 50.0 IO9 % mg/kg	Result Limit Dile mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 101 % 70-130 96.9 % 70-130 100 % 70-130 mg/kg mg/kg ND 20.0 100 % 70-130 100 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 109 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 101 % 70-130 96.9 % 70-130 100 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 100 % 70-130 1 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 109 % 50-200 mg/kg Mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 ND 70-130 06/06/24 96.9 % 70-130 06/06/24 100 % 70-130 06/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 96.9 % 70-130 06/06/24 96.9 % 70-130 06/06/24 100 % 70-130 06/06/24 100 % 70-130 06/06/24 mg/kg mg/kg Analyst: KM ND 25.0 1 06/11/24 ND 50.0 1 06/11/24 mg/kg	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 06/13/24 ND 0.0500 1 06/06/24 06/13/24 ND 0.0250 1 06/06/24 06/13/24 ND 0.0250 1 06/06/24 06/13/24 ND 70-130 06/06/24 06/13/24 96.9 % 70-130 06/06/24 06/13/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 101 % 70-130 06/06/24 06/13/24 100 % 70-130 06/06/24 06/13/24 100 % 70-130 06/06/24 06/13/24 100 % 70-130



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 10:14:45AM

FS-52 6-6 E406050-04

Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Diluti	ion Prepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: BA		Batch: 2423110
Benzene	ND	0.0250	1	06/06/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/13/24	
Toluene	ND	0.0250	1	06/06/24	06/13/24	
o-Xylene	ND	0.0250	1	06/06/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		89.9 %	70-130	06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	06/06/24	06/13/24	
Surrogate: Toluene-d8		93.1 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: BA		Batch: 2423110
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		89.9 %	70-130	06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	06/06/24	06/13/24	
Surrogate: Toluene-d8		93.1 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: KM		Batch: 2424032
Diesel Range Organics (C10-C28)	32.3	25.0	1	06/11/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/12/24	
Surrogate: n-Nonane		107 %	50-200	06/11/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: DT		Batch: 2424045
Chloride	ND	20.0	1	06/11/24	06/13/24	

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 10:14:45AM

FS-53 5-5 E406050-05

		2.00000 00				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
· ·				1	7 mary 2ca	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	P	Analyst: BA		Batch: 2423110
Benzene	ND	0.0250	1	06/06/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/13/24	
Toluene	ND	0.0250	1	06/06/24	06/13/24	
o-Xylene	ND	0.0250	1	06/06/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	06/06/24	06/13/24	
Surrogate: Toluene-d8		98.2 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: BA		Batch: 2423110
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	06/06/24	06/13/24	
Surrogate: Toluene-d8		98.2 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2424032
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/12/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/12/24	
Surrogate: n-Nonane		108 %	50-200	06/11/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2424045
Chloride	ND	20.0	1	06/11/24	06/13/24	

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 10:14:45AM

FS-54 5-5 E406050-06

		L400030-00					
Analyte	Result	Reporting Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: l	BA		Batch: 2423110
Benzene	ND	0.0250	1		06/06/24	06/13/24	Date::: 2 125 11 0
Ethylbenzene	ND	0.0250		I	06/06/24	06/13/24	
Toluene	ND ND	0.0250		1	06/06/24	06/13/24	
	ND ND	0.0250		1	06/06/24	06/13/24	
o-Xylene	ND ND	0.0230		1	06/06/24	06/13/24	
p,m-Xylene			1	ı İ	06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1		00/00/24	00/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		06/06/24	06/13/24	
Surrogate: Toluene-d8		98.8 %	70-130		06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: l	BA		Batch: 2423110
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130		06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		06/06/24	06/13/24	
Surrogate: Toluene-d8		98.8 %	70-130		06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: l	KM		Batch: 2424032
Diesel Range Organics (C10-C28)	ND	25.0	1	[06/11/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	06/11/24	06/12/24	
Surrogate: n-Nonane		109 %	50-200		06/11/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: l	DT		Batch: 2424045
Chloride	ND	20.0	1	<u></u>	06/11/24	06/13/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 10:14:45AM

FS-55 5-5 E406050-07

		E400050-07					
	D 1	Reporting		.•			N .
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2423110
Benzene	ND	0.0250	1	1	06/06/24	06/13/24	
Ethylbenzene	ND	0.0250	1	1	06/06/24	06/13/24	
Toluene	ND	0.0250	1	1	06/06/24	06/13/24	
p-Xylene	ND	0.0250	1	1	06/06/24	06/13/24	
p,m-Xylene	ND	0.0500	1	1	06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1	1	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		102 %	70-130		06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/06/24	06/13/24	
Surrogate: Toluene-d8		99.5 %	70-130		06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2423110
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		102 %	70-130		06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/06/24	06/13/24	
Surrogate: Toluene-d8		99.5 %	70-130		06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2424032
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/11/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/11/24	06/12/24	
Surrogate: n-Nonane		105 %	50-200		06/11/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2424045
Chloride	ND	20.0	1	1	06/11/24	06/13/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 10:14:45AM

FS-56 5-5 E406050-08

		E400030-00					
Analyte	Result	Reporting Limit	Dilut	tion Prep	arad	Analyzed	Notes
Анагус	Kesuit	Lillit	Dilui	поп гтер	arcu	Allalyzed	INUIES
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: BA			Batch: 2423110
Benzene	ND	0.0250	1	06/0	6/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/0	6/24	06/13/24	
Toluene	ND	0.0250	1	06/0	6/24	06/13/24	
o-Xylene	ND	0.0250	1	06/0	6/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/0	6/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/0	6/24	06/13/24	
Surrogate: Bromofluorobenzene		103 %	70-130	06/0	6/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	06/0	6/24	06/13/24	
Surrogate: Toluene-d8		98.2 %	70-130	06/0	6/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: BA			Batch: 2423110
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/0	6/24	06/13/24	
Surrogate: Bromofluorobenzene		103 %	70-130	06/0	6/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	06/0	6/24	06/13/24	
Surrogate: Toluene-d8		98.2 %	70-130	06/0	6/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2424032
Diesel Range Organics (C10-C28)	ND	25.0	1	06/1	1/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/1	1/24	06/12/24	
Surrogate: n-Nonane	·	104 %	50-200	06/1.	1/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT			Batch: 2424045
Chloride	ND	20.0	1	06/1	1/24	06/13/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 10:14:45AM

FS-57 5-5 E406050-09

Analyte	Result	Reporting Limit	Dilu	tion F	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA			Batch: 2423110
Benzene	ND	0.0250	1	0	06/06/24	06/13/24	
Ethylbenzene	ND	0.0250	1		06/06/24	06/13/24	
Toluene	ND	0.0250	1		06/06/24	06/13/24	
o-Xylene	ND	0.0250	1		06/06/24	06/13/24	
p,m-Xylene	ND	0.0500	1		06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1		06/06/24	06/13/24	
	ND						
Surrogate: Bromofluorobenzene		102 %	70-130	0	06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	0	06/06/24	06/13/24	
Surrogate: Toluene-d8		101 %	70-130	0	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: BA			Batch: 2423110
Gasoline Range Organics (C6-C10)	ND	20.0	1	. 0	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		102 %	70-130	0	06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	0	06/06/24	06/13/24	
Surrogate: Toluene-d8		101 %	70-130	0	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: KM			Batch: 2424032
Diesel Range Organics (C10-C28)	46.9	25.0	1	. 0	06/11/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	. 0	06/11/24	06/12/24	
Surrogate: n-Nonane		111 %	50-200	6	06/11/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: DT			Batch: 2424045
Chloride	107	20.0	1	. 0	06/11/24	06/13/24	

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 10:14:45AM

FS-58 5-5 E406050-10

		2.00000				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
				ılyst: BA	7 Hidiy Zed	Batch: 2423110
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	-		Batch: 2423110
Benzene	ND	0.0250	1	06/06/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/13/24	
Toluene	ND	0.0250	1	06/06/24	06/13/24	
o-Xylene	ND	0.0250	1	06/06/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	06/06/24	06/13/24	
Surrogate: Toluene-d8		98.1 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2423110
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	06/06/24	06/13/24	
Surrogate: Toluene-d8		98.1 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2424032
Diesel Range Organics (C10-C28)	255	250	10	06/11/24	06/12/24	
Oil Range Organics (C28-C36)	ND	500	10	06/11/24	06/12/24	
Surrogate: n-Nonane		103 %	50-200	06/11/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2424045
Chloride	647	20.0	1	06/11/24	06/13/24	

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 10:14:45AM

FS-59 5-5 E406050-11

	_	Reporting	_			
Analyte	Result	Limit	Dilu	tion Prepa	ared Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: BA		Batch: 2423110
Benzene	ND	0.0250	1	06/06	5/24 06/13/24	
Ethylbenzene	ND	0.0250	1	06/06	5/24 06/13/24	
Toluene	ND	0.0250	1	06/06	5/24 06/13/24	
o-Xylene	ND	0.0250	1	06/06	5/24 06/13/24	
p,m-Xylene	ND	0.0500	1	06/06	5/24 06/13/24	
Total Xylenes	ND	0.0250	1	06/06	5/24 06/13/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130	06/06	5/24 06/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	06/06	5/24 06/13/24	
Surrogate: Toluene-d8		98.4 %	70-130	06/06	5/24 06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2423110
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06	5/24 06/13/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130	06/06	5/24 06/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	06/06	5/24 06/13/24	
Surrogate: Toluene-d8		98.4 %	70-130	06/06	5/24 06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: KM		Batch: 2424032
Diesel Range Organics (C10-C28)	222	25.0	1	06/11	1/24 06/12/24	
Oil Range Organics (C28-C36)	198	50.0	1	06/11	1/24 06/12/24	
Surrogate: n-Nonane		108 %	50-200	06/11	1/24 06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: DT		Batch: 2424045
Chloride	707	20.0	1	06/11	1/24 06/13/24	

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 10:14:45AM

FS-60 5-5 E406050-12

		E100000 12				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
				analyst: BA	1 mary 200	Batch: 2423110
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		-	Batch: 2423110	
Benzene	ND	0.0250	1	06/06/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/13/24	
Toluene	ND	0.0250	1	06/06/24	06/13/24	
o-Xylene	ND	0.0250	1	06/06/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	06/06/24	06/13/24	
Surrogate: Toluene-d8		98.1 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: BA		Batch: 2423110
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	06/06/24	06/13/24	
Surrogate: Toluene-d8		98.1 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: KM		Batch: 2424032
Diesel Range Organics (C10-C28)	172	25.0	1	06/11/24	06/12/24	
Oil Range Organics (C28-C36)	161	50.0	1	06/11/24	06/12/24	
Surrogate: n-Nonane		111 %	50-200	06/11/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: DT		Batch: 2424045
Chloride	667	20.0	1	06/11/24	06/13/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 10:14:45AM

FS-61 6-6 E406050-13

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	Analyst: BA		Batch: 2423110
Benzene	ND	0.0250	1	1	06/06/24	06/13/24	
Ethylbenzene	ND	0.0250	1	1	06/06/24	06/13/24	
Toluene	ND	0.0250	1	1	06/06/24	06/13/24	
o-Xylene	ND	0.0250	1	1	06/06/24	06/13/24	
p,m-Xylene	ND	0.0500	1	1	06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1	1	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		100 %	70-130		06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		06/06/24	06/13/24	
Surrogate: Toluene-d8		98.3 %	70-130		06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analy		Analyst: BA			Batch: 2423110
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		100 %	70-130		06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		06/06/24	06/13/24	
Surrogate: Toluene-d8		98.3 %	70-130		06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2424032
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/11/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/11/24	06/12/24	
Surrogate: n-Nonane		111 %	50-200		06/11/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2424045
Chloride	81.4	20.0	1	1	06/11/24	06/13/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 10:14:45AM

FS-62 6-6 E406050-14

		E400030-14					
Austra	Dl4	Reporting Limit	Dilut	4 :	D 1	A l 1	N
Analyte	Result	Limit	Dilut	uon	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: BA			Batch: 2423110
Benzene	ND	0.0250	1		06/06/24	06/13/24	
Ethylbenzene	ND	0.0250	1		06/06/24	06/13/24	
Toluene	ND	0.0250	1		06/06/24	06/13/24	
o-Xylene	ND	0.0250	1		06/06/24	06/13/24	
p,m-Xylene	ND	0.0500	1		06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1	Į.	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130		06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		06/06/24	06/13/24	
Surrogate: Toluene-d8		98.6 %	70-130		06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst		Analyst: BA			Batch: 2423110
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	06/06/24	06/13/24	
Surrogate: Bromofluorobenzene		99.9 %	70-130		06/06/24	06/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		06/06/24	06/13/24	
Surrogate: Toluene-d8		98.6 %	70-130		06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: K	М		Batch: 2424032
Diesel Range Organics (C10-C28)	36.6	25.0	1	l	06/11/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1		06/11/24	06/12/24	
Surrogate: n-Nonane		111 %	50-200		06/11/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: D	Т		Batch: 2424045
Chloride	40.4	20.0	1		06/11/24	06/13/24	



QC Summary Data

Terracon Project Name: Leak #149 Reported:
4518 W. Pierce St Project Number: 21102-0001
Carlsbad NM, 87401 Project Manager: Gus Sanchez 6/14/2024 10:14:45AM

Carlsbad NM, 87401		Project Manage	r: Gi	us Sanchez				6/12	1/2024 10:14:45A	
	V	olatile Organ	ic Compo	unds by EI	PA 82601	В		Analyst: BA		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2423110-BLK1)							Prepared: 0	6/06/24 Analy	yzed: 06/13/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130				
Surrogate: Toluene-d8	0.457		0.500		91.4	70-130				
LCS (2423110-BS1)							Prepared: 0	6/06/24 Analy	yzed: 06/13/24	
Benzene	2.35	0.0250	2.50		93.8	70-130				
Ethylbenzene	2.41	0.0250	2.50		96.4	70-130				
Foluene	2.27	0.0250	2.50		91.0	70-130				
o-Xylene	2.58	0.0250	2.50		103	70-130				
p,m-Xylene	5.20	0.0500	5.00		104	70-130				
Total Xylenes	7.78	0.0250	7.50		104	70-130				
Surrogate: Bromofluorobenzene	0.470		0.500		94.0	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130				
Surrogate: Toluene-d8	0.472		0.500		94.4	70-130				
Matrix Spike (2423110-MS1)				Source:	Source: E406050-04			Prepared: 06/06/24 Analyzed: 06/13/24		
Benzene	2.40	0.0250	2.50	ND	96.1	48-131				
Ethylbenzene	2.45	0.0250	2.50	ND	98.0	45-135				
Toluene	2.32	0.0250	2.50	ND	92.9	48-130				
o-Xylene	2.56	0.0250	2.50	ND	102	43-135				
o,m-Xylene	5.11	0.0500	5.00	ND	102	43-135				
Total Xylenes	7.66	0.0250	7.50	ND	102	43-135				
Surrogate: Bromofluorobenzene	0.466		0.500		93.1	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130				
Surrogate: Toluene-d8	0.469		0.500		93.8	70-130				
Matrix Spike Dup (2423110-MSD1)				Source:	E406050-	04	Prepared: 0	6/06/24 Analy	yzed: 06/13/24	
Benzene	2.51	0.0250	2.50	ND	100	48-131	4.22	23		
Ethylbenzene	2.54	0.0250	2.50	ND	102	45-135	3.53	27		
Toluene	2.38	0.0250	2.50	ND	95.0	48-130	2.19	24		
o-Xylene	2.64	0.0250	2.50	ND	106	43-135	3.25	27		
p,m-Xylene	5.28	0.0500	5.00	ND	106	43-135	3.27	27		
Total Xylenes	7.92	0.0250	7.50	ND	106	43-135	3.27	27		
Surrogate: Bromofluorobenzene	0.457		0.500		91.3	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130				

0.500

91.3

70-130

0.457

Surrogate: Toluene-d8

QC Summary Data

 Terracon
 Project Name:
 Leak #149
 Reported:

 4518 W. Pierce St
 Project Number:
 21102-0001

 Carlsbad NM, 87401
 Project Manager:
 Gus Sanchez
 6/14/2024 10:14:45AM

Nonhalogenated	Organics b	v EPA	8015D -	GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	Result	Limit	Level	Result	Rec	Limits	KPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423110-BLK1)							Prepared: 0	5/06/24 Anal	lyzed: 06/13/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.457		0.500		91.4	70-130			
LCS (2423110-BS2)							Prepared: 00	6/06/24 Anal	yzed: 06/13/24
Gasoline Range Organics (C6-C10)	35.3	20.0	50.0		70.7	70-130			
Surrogate: Bromofluorobenzene	0.477		0.500		95.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.469		0.500		93.8	70-130			
Matrix Spike (2423110-MS2)				Source:	E406050-	04	Prepared: 0	6/06/24 Anal	lyzed: 06/13/24
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.4	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			
Iatrix Spike Dup (2423110-MSD2)				Source:	E406050-	04	Prepared: 06/06/24 Analyzed: 06/13/2		
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	96.9	70-130	4.79	20	
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			



QC Summary Data

 Terracon
 Project Name:
 Leak #149
 Reported:

 4518 W. Pierce St
 Project Number:
 21102-0001

 Carlsbad NM, 87401
 Project Manager:
 Gus Sanchez
 6/14/2024 10:14:45AM

Carlsbad NM, 87401		Project Manage	r: Gı	is Sanchez				6/1	4/2024 10:14:45A
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2424032-BLK1)							Prepared: 00	5/11/24 Ana	lyzed: 06/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.3		50.0		111	50-200			
LCS (2424032-BS1)							Prepared: 00	5/11/24 Ana	lyzed: 06/12/24
Diesel Range Organics (C10-C28)	281	25.0	250		113	38-132			
Surrogate: n-Nonane	55.2		50.0		110	50-200			
Matrix Spike (2424032-MS1)				Source:	E406050-	04	Prepared: 06	5/11/24 Ana	lyzed: 06/12/24
Diesel Range Organics (C10-C28)	297	25.0	250	32.3	106	38-132			
Surrogate: n-Nonane	55.7		50.0		111	50-200			
Matrix Spike Dup (2424032-MSD1)				Source:	E406050-	04	Prepared: 06	6/11/24 Ana	lyzed: 06/12/24
Diesel Range Organics (C10-C28)	297	25.0	250	32.3	106	38-132	0.0425	20	
Surrogate: n-Nonane	52.9		50.0		106	50-200			

QC Summary Data

Terracon		Project Name:		eak #149					Reported:
4518 W. Pierce St		Project Number:		102-0001					
Carlsbad NM, 87401		Project Manager:	G	us Sanchez					6/14/2024 10:14:45AM
		Anions	by EPA 3	00.0/9056	1				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2424045-BLK1)							Prepared: 0	6/11/24 <i>A</i>	analyzed: 06/13/24
Chloride	ND	20.0							
LCS (2424045-BS1)							Prepared: 0	6/11/24 A	analyzed: 06/13/24
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2424045-MS1)				Source: E406050-10			Prepared: 0	6/11/24 A	analyzed: 06/13/24
Chloride	897	20.0	250	647	100	80-120			
Matrix Spike Dup (2424045-MSD1)				Source:	E406050-1	10	Prepared: 0	6/11/24 A	analyzed: 06/13/24
Chloride	892	20.0	250	647	98.2	80-120	0.545	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

	Terracon	Project Name:	Leak #149	
-	4518 W. Pierce St	Project Number:	21102-0001	Reported:
	Carlsbad NM, 87401	Project Manager:	Gus Sanchez	06/14/24 10:14

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



CHAIN OF CUSTODY RECORD

Page 2 of 3 LAB USE ONLYDUE DATE: Laboratory: **E400050** erracon ANALYSIS REQUEST Address: Phone: 300) Office Location BTEX (EPA Method 8021B) 4526 W. Pierce St Carlsbad NM, 88220 Contact: Method Project Manager Joseph Guesnier SRS #: TPH Extended 8015 Sampler's Name **Gus Sanchez** Sampler's Signature Chloride (EPA Project Number Project Name No. Type of Containers KH247005 Leak #149 Matrix Start Depth End Comp Grab Depth 4 oz Glass 2 oz Glass Identifying Marks of Sample(s) Date Time Lab Sample ID 6/3/2024 8:14 X FS-49 5 5 Х X X X 6/3/2024 8:17 Χ FS-50 5 5 Х X X X 2 6/3/2024 8:20 XX FS-51 5 5 Χ X X 3 6/3/2024 8:22 X FS-52 5 5 X X XX 6/3/2024 8:25 X FS-53 6 6 X X XX 6/3/2024 8:28 XX X FS-54 5 5 X 9 X 6/3/2024 8:31 Х FS-55 5 5 X X XX 6/3/2024 8:34 Х FS-56 5 5 Х XX 8 X 6/3/2024 8:37 FS-57 5 5 XX X X X 26 6/3/2024 8:40 X FS-58 5 5 Х X XX 10 6/3/2024 FS-59 5 ₹ 8:44 X 5 Χ X XX 6/3/2024 8:47 5 5 Х Х FS-60 X X X 6/3/2024 8:50 FS-61 6 6 X X Х X X age 6/3/2024 8:53 FS-62 6 6 X X XX X Normal 48-Hour Rush 24-Hour Rush Yes No TURNAROUND TIME TRRP Laboratory Review Checklist Relinquished by (Signature) Date: Time: Time: Received by (Signature) Date: Michelle Gonzales 6-4-24 1710 6-4-24 5:10 Targa e-mail results to: Relinquished by (Signature) Received by (Signature) Time: Att: Amber Groves joseph.guesnier@terraconc.om Date: 6524 6.5.41650 travis.casey@terracon.com Relinquished by (Signature) Received by (Signature) Date: mike.adams@terracon.com 2400 ·M 6.5.24 beckysue.miller@terracon.com TEMP OF COOLER gus.sanchez@terracon.com chuck.smith@terracon.com WHEN RECEIVED (oC) Matrix WW-Wastewat€ W - Water S - Soil L - Liquid A - Air Bag C - Charcoal tube SL - Sludge VOA - 40 ml vial A/G - Amber 6 250 ml = Glass wide mou P/O - Plastic or other Container

Lubbock Office m 5827 50th Street, Suite 1 m Lubbock, Texas 79424 m 806-300-0140

Printed: 6/6/2024 6:14:29PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Terracon	Date Received:	06/06/24 0	09:00	Work Order	ID:	E406050
Phone:	(806) 544-9276	Date Logged In:	06/05/24 2	20:42	Logged In E	Bv:	Alexa Michaels
Email:		Due Date:		17:00 (5 day TAT)	088+# ··· -	.,.	
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
2. Does t	he number of samples per sampling site location mate	h the COC	Yes				
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: C	Couier		
4. Was th	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	_			
5. Were a	all samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion			ı	<u>Com</u>	ment	ts/Resolution
	<u> Furn Around Time (TAT)</u>				Dece to biok someth	1	
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Due to high sample		= =
Sample (#149 has been sepa	rate	ed into multiple WO
	sample cooler received?		Yes		E406049 and E4060	051.	
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
12. Was th	ne sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are		Yes				
13 Ifno	minutes of sampling visible ice, record the temperature. Actual sample to	emperature: 1º0	~				
		emperature. 4 c	<u></u>				
	Container		NT-				
	queous VOC samples present?		No NA				
	/OC samples collected in VOA Vials?		NA NA				
	thead space less than 6-8 mm (pea sized or less)?		NA NA				
	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?						
		um a alla ata d2	Yes				
	appropriate volume/weight or number of sample containe	as conecteur	Yes				
Field La	field sample labels filled out with the minimum infor	matian					
	Sample ID?	mation.	Yes				
	Date/Time Collected?		Yes				
(Collectors name?		Yes				
Sample 1	<u>Preservation</u>						
21. Does	the COC or field labels indicate the samples were pre-	served?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved me	etals?	No				
Multiph	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e ?	No				
27. If yes	s, does the COC specify which phase(s) is to be analyzed	zed?	NA				
Subcont	ract Laboratory						
	amples required to get sent to a subcontract laborator	,9	No				
	a subcontract laboratory specified by the client and if		NA	Subcontract Lab	· NA		
	• • •			Successivate Luc			
Chent I	<u>nstruction</u>						
Signa	ture of client authorizing changes to the COC or sample disp	osition.			Date		envirotech I

Report to:
Gus Sanchez







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Terracon

Project Name: Leak #149

Work Order: E406051

Job Number: 21102-0001

Received: 6/6/2024

Revision: 3

Report Reviewed By:

Walter Hinchman Laboratory Director 8/20/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/20/24

Gus Sanchez 4518 W. Pierce St Carlsbad, NM 87401

Project Name: Leak #149 Workorder: E406051

Date Received: 6/6/2024 9:00:56AM

Gus Sanchez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/6/2024 9:00:56AM, under the Project Name: Leak #149.

The analytical test results summarized in this report with the Project Name: Leak #149 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

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Client Representative

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mgonzales@envirotech-inc.com

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Sample Summary

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	08/20/24 15:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
N-SW-3 0-4	E406051-01A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
N-SW-3 4-6	E406051-02A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
W-SW-2 0-4	E406051-03A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
W-SW-2 4-5	E406051-04A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
W-SW-3 0-4	E406051-05A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
W-SW-3 4-6	E406051-06A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
S-SW-4 0-4	E406051-07A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
S-SW-4 4-6	E406051-08A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
E-SW-3 0-4	E406051-09A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
E-SW-3 4-6	E406051-10A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
E-SW-2 0-4	E406051-11A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
E-SW-2 4-6	E406051-12A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
S-SW-3 0-4	E406051-13A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
S-SW-3 4-5	E406051-14A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/20/2024 3:16:49PM

N-SW-3 0-4 E406051-01

		E400031-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2423112
Benzene	ND	0.0250	1	06/06/24	06/11/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/11/24	
Toluene	ND	0.0250	1	06/06/24	06/11/24	
o-Xylene	ND	0.0250	1	06/06/24	06/11/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/11/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24	
Surrogate: 4-Bromochlorobenzene-PID		91.2 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2423112
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.0 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2424037
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		90.7 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2424046
Chloride	ND	20.0	1	06/11/24	06/12/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/20/2024 3:16:49PM

N-SW-3 4-6

E406051-02						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2423112
Benzene	ND	0.0250	1	06/06/24	06/11/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/11/24	
Toluene	ND	0.0250	1	06/06/24	06/11/24	
o-Xylene	ND	0.0250	1	06/06/24	06/11/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/11/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24	
Surrogate: 4-Bromochlorobenzene-PID		90.7 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2423112
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.2 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2424037
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		88.5 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2424046
Chloride	150	20.0	1	06/11/24	06/12/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/20/2024 3:16:49PM

W-SW-2 0-4

E406051-03						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2423112
Benzene	ND	0.0250	1	06/06/24	06/11/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/11/24	
Toluene	ND	0.0250	1	06/06/24	06/11/24	
o-Xylene	ND	0.0250	1	06/06/24	06/11/24	
o,m-Xylene	ND	0.0500	1	06/06/24	06/11/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24	
Surrogate: 4-Bromochlorobenzene-PID		89.7 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2423112
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.7 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2424037
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		109 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2424046
Chloride	ND	20.0	1	06/11/24	06/13/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/20/2024 3:16:49PM

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E406051-04

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2423112
Benzene	ND	0.0250	1	06/06/24	06/11/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/11/24	
Toluene	ND	0.0250	1	06/06/24	06/11/24	
o-Xylene	ND	0.0250	1	06/06/24	06/11/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/11/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24	
Surrogate: 4-Bromochlorobenzene-PID		90.6 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2423112
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.5 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2424037
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		103 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2424046
Chloride	ND	20.0	1	06/11/24	06/13/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/20/2024 3:16:49PM

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		2.00001 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423112
Benzene	ND	0.0250	1	06/06/24	06/11/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/11/24	
Coluene	ND	0.0250	1	06/06/24	06/11/24	
p-Xylene	ND	0.0250	1	06/06/24	06/11/24	
o,m-Xylene	ND	0.0500	1	06/06/24	06/11/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24	
Surrogate: 4-Bromochlorobenzene-PID		90.7 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423112
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.0 %	70-130	06/06/24	06/11/24	
Jonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2424037
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		93.7 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2424046
Chloride	30.8	20.0	1	06/11/24	06/13/24	
Anions by EPA 300.0/9056A Chloride		mg/kg		yst: DT		Ba



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/20/2024 3:16:49PM

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		E406051-06					
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423112	
Benzene	ND	0.0250	1	06/06/24	06/11/24		
Ethylbenzene	ND	0.0250	1	06/06/24	06/11/24		
Toluene	ND	0.0250	1	06/06/24	06/11/24		
o-Xylene	ND	0.0250	1	06/06/24	06/11/24		
o,m-Xylene	ND	0.0500	1	06/06/24	06/11/24		
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24		
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130	06/06/24	06/11/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2423112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.0 %	70-130	06/06/24	06/11/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2424037	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24		
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24		
Surrogate: n-Nonane		113 %	50-200	06/11/24	06/14/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2424046	
Chloride	ND	20.0	1	06/11/24	06/13/24		



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/20/2024 3:16:49PM

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E406051-07

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2423112
Benzene	ND	0.0250	1	06/06/24	06/11/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/11/24	
Toluene	ND	0.0250	1	06/06/24	06/11/24	
o-Xylene	ND	0.0250	1	06/06/24	06/11/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/11/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2423112
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.8 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2424037
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		106 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2424046
Chloride	20.1	20.0	1	06/11/24	06/13/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/20/2024 3:16:49PM

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E406051-08

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2423112
Benzene	ND	0.0250	1	06/06/24	06/11/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/11/24	
Toluene	ND	0.0250	1	06/06/24	06/11/24	
o-Xylene	ND	0.0250	1	06/06/24	06/11/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/11/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24	
Surrogate: 4-Bromochlorobenzene-PID		92.9 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2423112
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.9 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2424037
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		107 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: DT		Batch: 2424046



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/20/2024 3:16:49PM

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		E-100031-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2423112
Benzene	ND	0.0250	1	06/06/24	06/11/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/11/24	
Toluene	ND	0.0250	1	06/06/24	06/11/24	
o-Xylene	ND	0.0250	1	06/06/24	06/11/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/11/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2423112
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.3 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2424037
Diesel Range Organics (C10-C28)	59.1	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		108 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2424046
Chloride	61.6	20.0	1	06/11/24	06/13/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/20/2024 3:16:49PM

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E406051-10							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2423112	
Benzene	ND	0.0250	1	06/06/24	06/11/24		
Ethylbenzene	ND	0.0250	1	06/06/24	06/11/24		
Toluene	ND	0.0250	1	06/06/24	06/11/24		
o-Xylene	ND	0.0250	1	06/06/24	06/11/24		
p,m-Xylene	ND	0.0500	1	06/06/24	06/11/24		
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24		
Surrogate: 4-Bromochlorobenzene-PID		90.9 %	70-130	06/06/24	06/11/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2423112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	06/06/24	06/11/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2424037	
Diesel Range Organics (C10-C28)	76.7	25.0	1	06/11/24	06/14/24		
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24		
Surrogate: n-Nonane		109 %	50-200	06/11/24	06/14/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: DT		Batch: 2424046	
Chloride	296	20.0	1	06/11/24	06/13/24		



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/20/2024 3:16:49PM

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		E406051-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2423112
Benzene	ND	0.0250	1	06/06/24	06/11/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/11/24	
Toluene	ND	0.0250	1	06/06/24	06/11/24	
o-Xylene	ND	0.0250	1	06/06/24	06/11/24	
o,m-Xylene	ND	0.0500	1	06/06/24	06/11/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2423112
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.3 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2424037
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		104 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2424046
Chloride	40.1	20.0	1	06/11/24	06/13/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/20/2024 3:16:49PM

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		E406051-12				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2423112
Benzene	ND	0.0250	1	06/06/24	06/11/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/11/24	
Toluene	ND	0.0250	1	06/06/24	06/11/24	
o-Xylene	ND	0.0250	1	06/06/24	06/11/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/11/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2423112
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.6 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2424037
Diesel Range Organics (C10-C28)	35.9	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		106 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2424046
Chloride	69.8	20.0	1	06/11/24	06/13/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/20/2024 3:16:49PM

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		E406051-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2423112
Benzene	ND	0.0250	1	06/06/24	06/11/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/11/24	
Toluene	ND	0.0250	1	06/06/24	06/11/24	
o-Xylene	ND	0.0250	1	06/06/24	06/11/24	
o,m-Xylene	ND	0.0500	1	06/06/24	06/11/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2423112
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.3 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2424037
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		82.5 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2424046
Chloride	ND	20.0	1	06/11/24	06/13/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/20/2024 3:16:49PM

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		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2423112
Benzene	ND	0.0250	1	06/06/24	06/11/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/11/24	
Toluene	ND	0.0250	1	06/06/24	06/11/24	
o-Xylene	ND	0.0250	1	06/06/24	06/11/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/11/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/11/24	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2423112
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.0 %	70-130	06/06/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2424037
Diesel Range Organics (C10-C28)	62.5	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		97.1 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2424046
Chloride	24.3	20.0	1	06/11/24	06/13/24	



QC Summary Data

Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Gus Sanchez 8/20/2024 3:16:49PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2423112-BLK1) Prepared: 06/06/24 Analyzed: 06/10/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.15 8.00 89.4 70-130 LCS (2423112-BS1) Prepared: 06/06/24 Analyzed: 06/10/24 4.63 92.5 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.60 0.0250 5.00 91.9 70-130 4.66 0.0250 5.00 93.3 70-130 Toluene o-Xylene 4.57 0.0250 5.00 91.3 70-130 9.31 10.0 93.1 70-130 0.0500 p.m-Xvlene 92.5 13.9 15.0 70-130 Total Xylenes 0.0250 8.00 89.9 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.19 Matrix Spike (2423112-MS1) Source: E406051-03 Prepared: 06/06/24 Analyzed: 06/11/24 4.54 0.0250 5.00 ND 54-133 Benzene ND 90.2 61-133 Ethylbenzene 4.51 0.0250 5.00 Toluene 4.57 0.0250 5.00 ND 91.5 61-130 4.49 ND 89.8 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.13 0.0500 10.0 ND 91.3 63-131 13.6 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.21 8.00 Matrix Spike Dup (2423112-MSD1) Source: E406051-03 Prepared: 06/06/24 Analyzed: 06/11/24 4.62 0.0250 5.00 ND 92.3 54-133 1.76 92.2 61-133 2.20 4.61 0.0250 5.00 ND 20 Ethylbenzene Toluene 4 67 0.0250 5.00 ND 93.3 61-130 2.03 20 4.58 5.00 ND 91.7 63-131 2.05 20 o-Xylene 0.0250 9.35 10.0 ND 93.5 63-131 2.31 20 p,m-Xylene 0.0500



13.9

7.20

0.0250

15.0

8.00

ND

92.9

90.0

63-131

70-130

2.23

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

 Terracon
 Project Name:
 Leak #149
 Reported:

 4518 W. Pierce St
 Project Number:
 21102-0001

 Carlsbad NM, 87401
 Project Manager:
 Gus Sanchez
 8/20/2024 3:16:49PM

Carlsbad NM, 87401		Project Manage	r: Gu	is Sanchez				8/2	20/2024 3:16:49PM
	Non	halogenated	Organics	by EPA 801	15D - Gl	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423112-BLK1)							Prepared: 0	6/06/24 Ana	lyzed: 06/10/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.3	70-130			
LCS (2423112-BS2)							Prepared: 0	6/06/24 Ana	lyzed: 06/10/24
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.6	70-130			
Matrix Spike (2423112-MS2)				Source:	E406051-	03	Prepared: 0	6/06/24 Ana	lyzed: 06/11/24
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130			
Matrix Spike Dup (2423112-MSD2)				Source:	E406051-	03	Prepared: 0	6/06/24 Ana	lyzed: 06/11/24
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130	2.96	20	

8.00

7.92

99.0

70-130

QC Summary Data

 Terracon
 Project Name:
 Leak #149
 Reported:

 4518 W. Pierce St
 Project Number:
 21102-0001

 Carlsbad NM, 87401
 Project Manager:
 Gus Sanchez
 8/20/2024
 3:16:49PM

Carlsbad NM, 87401		Project Manage	r: Gı	is Sanchez				8	3/20/2024 3:16:49PN	
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: KM										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2424037-BLK1)							Prepared: 0	6/11/24 An	alyzed: 06/14/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Dil Range Organics (C28-C36)	ND	50.0								
urrogate: n-Nonane	51.2		50.0		102	50-200				
LCS (2424037-BS1)							Prepared: 0	6/11/24 An	alyzed: 06/14/24	
Diesel Range Organics (C10-C28)	285	25.0	250		114	38-132				
urrogate: n-Nonane	51.6		50.0		103	50-200				
Matrix Spike (2424037-MS1)				Source:	E406051-	09	Prepared: 0	6/11/24 An	alyzed: 06/14/24	
Diesel Range Organics (C10-C28)	337	25.0	250	59.1	111	38-132				
urrogate: n-Nonane	52.1		50.0		104	50-200				
Matrix Spike Dup (2424037-MSD1)				Source:	E406051-	09	Prepared: 0	6/11/24 An	alyzed: 06/14/24	
Diesel Range Organics (C10-C28)	351	25.0	250	59.1	117	38-132	3.96	20		
Gurrogate: n-Nonane	52.3		50.0		105	50-200				



QC Summary Data

Terracon 4518 W. Pierce St		Project Name: Project Number:		eak #149 1102-0001					Reported:
Carlsbad NM, 87401		Project Manager		us Sanchez					8/20/2024 3:16:49PM
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2424046-BLK1)							Prepared: 0	6/11/24 A	nalyzed: 06/12/24
Chloride	ND	20.0							
LCS (2424046-BS1)							Prepared: 0	6/11/24 A	nalyzed: 06/12/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2424046-MS1)				Source:	E406051-	01	Prepared: 0	6/11/24 A	nalyzed: 06/12/24
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2424046-MSD1)				Source:	E406051-	01	Prepared: 0	6/11/24 A	nalyzed: 06/12/24
Chloride	259	20.0	250	ND	104	80-120	0.744	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

ſ	Terracon	Project Name:	Leak #149	
١	4518 W. Pierce St	Project Number:	21102-0001	Reported:
١	Carlsbad NM, 87401	Project Manager:	Gus Sanchez	08/20/24 15:16

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



CHAIN OF CUSTODY RECORD

6/3/2024 8:58 X	1																				×
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6/3/2024 8:58 X	Matrix	Date	Time	Comp	Identifying M	arks of Samp	ole(s)	Start	End	4 oz Glass	2 oz Glass	250 n Poly			TPH E	BTEX				Lab Sample ID	AM
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linquished by (Signature) Date: Time: Received by (Signature) Date: Time: Att: Amber Groves joseph.guesnier@terraconc.om	Relinguishe	ed by (Sig	nature)	D	Date: Ti	me: < *	Received b	y (Sign:	ature)	0		Date:	1	Time:		Att: A	mber Gro	oves			
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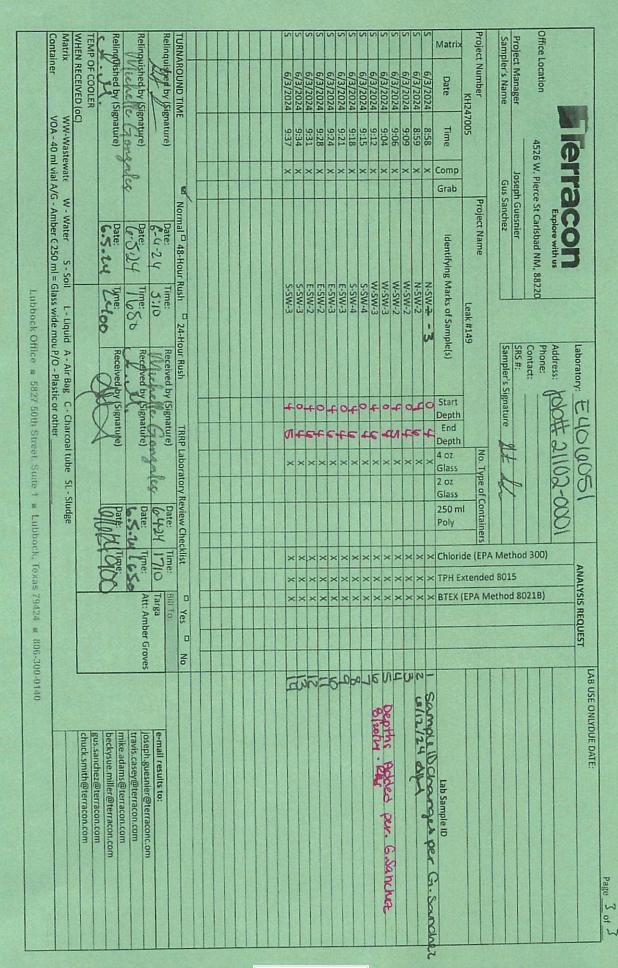
Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Terracon	Date Received:	06/06/24	09:00	Work Order ID:	E406051
Phone:	(806) 544-9276	Date Logged In:	06/05/24	20:44	Logged In By:	Alexa Michaels
Email:	(600) 511 5276	Due Date:		17:00 (5 day TAT)	Dogged in Dy.	11010
Chain of	Custody (COC)					
1. Does tl	he sample ID match the COC?		Yes			
	he number of samples per sampling site location mat	ch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	ouier	
4. Was th	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	<u> </u>	<u>outer</u>	
	ll samples received within holding time?	, ,	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.			_	<u>Commen</u>	ts/Resolution
	Furn Around Time (TAT) c COC indicate standard TAT, or Expedited TAT?		Yes		Due to high sample vol	ume project Leak
Sample C	Cooler				#149 has been separate	ed into multiple WO
	sample cooler received?		Yes		E406049 and E406051.	-
	was cooler received in good condition?		Yes		L+000+) and L+00051.	·
	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
			No			
· ·	, were custody/security seals intact?		NA			
12. Was th	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>			
Sample (<u>Container</u>					
14. Are a	queous VOC samples present?		No			
15. Are V	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers'	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lal						
	field sample labels filled out with the minimum info	rmation:				
	ample ID?		Yes			
	Pate/Time Collected?		Yes	L		
C	collectors name?		Yes			
	Preservation					
	the COC or field labels indicate the samples were pr	eserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcontr	act Laboratory					
	amples required to get sent to a subcontract laborator	rv?	No			
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	: NA	
			- 1	Succentract Eas	. 1 1 2 1	
Chent II	<u>nstruction</u>					
						C3
Signat	rure of client authorizing changes to the COC or sample dis-	position.			Date	envirotech Inc.



Report to:

Joseph Guesnier







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Terracon

Project Name: Leak #149

Work Order: E407012

Job Number: 21102-0001

Received: 7/3/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/10/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/10/24

Joseph Guesnier 4518 W. Pierce St Carlsbad, NM 87401

Project Name: Leak #149 Workorder: E407012

Date Received: 7/3/2024 10:00:00AM

Joseph Guesnier,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/3/2024 10:00:00AM, under the Project Name: Leak #149.

The analytical test results summarized in this report with the Project Name: Leak #149 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

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Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	07/10/24 11:48

Client Sample ID	Lab Sample ID Ma	ntrix Sample	d Received	Container
FS19 4-4	E407012-01A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS20 4-4	E407012-02A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS21 4-4	E407012-03A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS22 4-4	E407012-04A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS23 4-4	E407012-05A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS24 4-4	E407012-06A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS25 4-4	E407012-07A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS26 4-4	E407012-08A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS32 6-6	E407012-09A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS63 8-8	E407012-10A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS64 4-4	E407012-11A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS65 8-8	E407012-12A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS66 4-4	E407012-13A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS67 12-12	E407012-14A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS68 12-12	E407012-15A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS69 13-13	E407012-16A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS70 16-16	E407012-17A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS71 4-4	E407012-18A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS72 12-12	E407012-19A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS73 16-16	E407012-20A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS74 16-16	E407012-21A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.
FS75 16-16	E407012-22A S	oil 06/28/	24 07/03/24	Glass Jar, 2 oz.



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

FS19 4-4 E407012-01

		E40/012-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Resuit	Lillit	Dilution	Frepared	Anatyzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	2540	250	10	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	1460	500	10	07/03/24	07/04/24	
Surrogate: n-Nonane		104 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: WF		Batch: 2427045
Chloride	69.2	20.0	1	07/03/24	07/03/24	

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

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		E407012-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	136	50.0	2	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	180	100	2	07/03/24	07/04/24	
Surrogate: n-Nonane		106 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2427045
Chloride	411	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

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		E407012-03				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	nlyst: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		96.1 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	469	50.0	2	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	674	100	2	07/03/24	07/04/24	
Surrogate: n-Nonane		111 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: WF		Batch: 2427045
Chloride	78.3	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

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E40	7/11	7	11 1
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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg Analyst: BA			Batch: 2427029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	236	50.0	2	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	259	100	2	07/03/24	07/04/24	
Surrogate: n-Nonane		103 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2427045
Chloride	300	20.0	1	07/03/24	07/03/24	



Te	rracon	Project Name:	Leak #149	
45	18 W. Pierce St	Project Number:	21102-0001	Reported:
Ca	rlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

FS23 4-4 E407012-05

		E40/012-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
,	mg/kg		Analys		<u> </u>	Batch: 2427029
Volatile Organics by EPA 8021B		mg/kg	1 thanys		07/02/24	Batcii. 242/029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Analyst: BA			Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Analys	st: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	2200	250	10	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	1710	500	10	07/03/24	07/04/24	
Surrogate: n-Nonane		109 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: WF		Batch: 2427045
Chloride	259	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

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		E407012-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	g Analyst: BA			Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: BA			Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Analys	st: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	1950	250	10	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	1400	500	10	07/03/24	07/04/24	
Surrogate: n-Nonane		114 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: WF		Batch: 2427045
Chloride	258	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

FS25 4-4 E407012-07

		E40/012-0/				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	2010	250	10	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	1290	500	10	07/03/24	07/04/24	
Surrogate: n-Nonane		101 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: WF		Batch: 2427045
Chloride	334	20.0	1	07/03/24	07/03/24	·



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

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		E407012-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		96.1 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	935	50.0	2	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	558	100	2	07/03/24	07/04/24	
Surrogate: n-Nonane		99.2 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2427045
Chloride	388	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

FS32 6-6 E407012-09

		1.407012 07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
oluene	ND	0.0250	1	07/03/24	07/03/24	
-Xylene	ND	0.0250	1	07/03/24	07/03/24	
o,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane		102 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: WF		Batch: 2427045
Chloride	729	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

FS63 8-8 E407012-10

		E-40/012-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	1140	250	10	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	898	500	10	07/03/24	07/04/24	
Surrogate: n-Nonane		112 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: WF		Batch: 2427045
Chloride	382	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

FS64 4-4 E407012-11

		2.0.012 11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
oluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
o,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		96.8 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	35.7	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane		101 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2427045
Chloride	ND	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

FS65 8-8 E407012-12

		E-40/012-12				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	293	50.0	2	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	233	100	2	07/03/24	07/04/24	
Surrogate: n-Nonane		102 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2427045
Chloride	378	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

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		E407012-13				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	35.3	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane		102 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2427045
Chloride	108	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

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		E407012-14				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	485	50.0	2	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	430	100	2	07/03/24	07/04/24	
Surrogate: n-Nonane		105 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2427045
Chloride	1060	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

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E407012-15

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	1300	50.0	2	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	867	100	2	07/03/24	07/04/24	
Surrogate: n-Nonane		107 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2427045
	942	20.0	1	07/03/24	07/03/24	•



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

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		E407012-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
o,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	986	50.0	2	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	551	100	2	07/03/24	07/04/24	
Surrogate: n-Nonane		101 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2427045
Chloride	508	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

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		E407012-17				
	D. I.	Reporting		D 1		N. A
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	2440	50.0	2	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	1450	100	2	07/03/24	07/04/24	
Surrogate: n-Nonane		105 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: WF		Batch: 2427045
Chloride	549	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

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		E40/012-16				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tillaryee	Result	Limit	Dilution	Trepared	Maryzed	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	148	25.0	1	07/03/24	07/08/24	
Oil Range Organics (C28-C36)	128	50.0	1	07/03/24	07/08/24	
Surrogate: n-Nonane		99.9 %	50-200	07/03/24	07/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2427045
Chloride	71.6	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

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		E40/012-19				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
- Mary to	resur	2	<u> </u>	Tropulou	111111111111111111111111111111111111111	110100
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2427029
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2427029
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2427037
Diesel Range Organics (C10-C28)	429	50.0	2	07/03/24	07/08/24	
Oil Range Organics (C28-C36)	239	100	2	07/03/24	07/08/24	
Surrogate: n-Nonane		101 %	50-200	07/03/24	07/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2427045
Chloride	672	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

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	E40/012-20				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2427029
ND	0.0250	1	07/03/24	07/03/24	
ND	0.0250	1	07/03/24	07/03/24	
ND	0.0250	1	07/03/24	07/03/24	
ND	0.0250	1	07/03/24	07/03/24	
ND	0.0500	1	07/03/24	07/03/24	
ND	0.0250	1	07/03/24	07/03/24	
	93.4 %	70-130	07/03/24	07/03/24	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2427029
ND	20.0	1	07/03/24	07/03/24	
	106 %	70-130	07/03/24	07/03/24	
mg/kg	mg/kg	Analy	yst: KM		Batch: 2427037
2500	250	10	07/03/24	07/04/24	
1680	500	10	07/03/24	07/04/24	
	103 %	50-200	07/03/24	07/04/24	
mg/kg	mg/kg	Analy	yst: WF		Batch: 2427045
2400	40.0	2	07/03/24	07/03/24	
	mg/kg ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 2500 1680	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MB/kg mg/kg MB/kg mg/kg 106 % mg/kg mg/kg 500 103 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 MD 0.0250 1 Mg/kg mg/kg Analy Mg/kg mg/kg Analy mg/kg mg/kg Analy 2500 250 10 1680 500 10 mg/kg mg/kg Analy mg/kg Mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Manalyst: BA ND 0.0250 1 07/03/24 ND 0.0250 1 07/03/24 ND 0.0250 1 07/03/24 ND 0.0250 1 07/03/24 ND 0.0500 1 07/03/24 ND 0.0250 1 07/03/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/03/24 mg/kg mg/kg Analyst: KM 2500 250 10 07/03/24 mg/kg 500 10 07/03/24 1680 500 10 07/03/24 mg/kg mg/kg Analyst: WF	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 07/03/24 07/03/24 ND 0.0250 1 07/03/24 07/03/24 ND 0.0250 1 07/03/24 07/03/24 ND 0.0500 1 07/03/24 07/03/24 ND 0.0500 1 07/03/24 07/03/24 ND 0.0250 1 07/03/24 07/03/24 Mg/kg mg/kg Analyst: BA ND 20.0 1 07/03/24 07/03/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/03/24 07/03/24 mg/kg mg/kg Analyst: KM 2500 250 10 07/03/24 07/04/24 mg/kg 500 10 07/03/24 07/04/24 mg/kg mg/kg Analyst: WF



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

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		E407012-21				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2427028
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2427028
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2427041
Diesel Range Organics (C10-C28)	546	125	5	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	343	250	5	07/03/24	07/03/24	
Surrogate: n-Nonane		96.7 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2427032
Chloride	2790	40.0	2	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

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		E407012-22				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2427028
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		93.1 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2427028
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2427041
Diesel Range Organics (C10-C28)	227	50.0	2	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	151	100	2	07/03/24	07/03/24	
Surrogate: n-Nonane		95.0 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2427032
Chloride	3920	40.0	2	07/03/24	07/03/24	



Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Joseph Guesnier 7/10/2024 11:48:16AM **Volatile Organics by EPA 8021B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2427028-BLK1) Prepared: 07/03/24 Analyzed: 07/03/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.51 8.00 93.9 70-130 LCS (2427028-BS1) Prepared: 07/03/24 Analyzed: 07/03/24 4.61 92.3 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.73 0.0250 5.00 94.6 70-130 4.75 0.0250 5.00 95.1 70-130 Toluene 94.7 o-Xylene 4.74 0.0250 5.00 70-130 9.61 10.0 96.1 70-130 0.0500 p.m-Xvlene 95.7 70-130 14.3 15.0 Total Xylenes 0.0250 8.00 94.4 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.55 Matrix Spike (2427028-MS1) Source: E407011-04 Prepared: 07/03/24 Analyzed: 07/03/24 8.66 0.0500 10.0 ND 86.6 54-133 Benzene ND 88.9 61-133 Ethylbenzene 8.89 0.0500 10.0 Toluene 8.92 0.0500 10.0 ND 89.2 61-130 8.92 ND 89.2 63-131 10.0 0.0500 o-Xylene p,m-Xylene 18.1 0.100 20.0 ND 90.3 63-131 27.0 0.0500 30.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 14.9 16.0 Matrix Spike Dup (2427028-MSD1) Source: E407011-04 Prepared: 07/03/24 Analyzed: 07/03/24 8.72 0.0500 10.0 ND 87.2 54-133 0.741 20 61-133 0.842 8.96 0.0500 10.0 ND 89.6 20 Ethylbenzene Toluene 9.00 0.0500 10.0 ND 899 61-130 0.854 20 9.01 0.0500 10.0 ND 90.1 63-131 1.07 20 o-Xylene 1.02 18.2 20.0 ND 91.2 63-131 20

0.100

0.0500

30.0

16.0

ND

90.9

94.6

63-131

70-130

1.04

20

27.3

15.1



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Joseph Guesnier 7/10/2024 11:48:16AM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2427029-BLK1) Prepared: 07/03/24 Analyzed: 07/03/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.36 8.00 92.0 70-130 LCS (2427029-BS1) Prepared: 07/03/24 Analyzed: 07/03/24 4.55 91.0 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.60 0.0250 5.00 92.0 70-130 4.71 0.0250 5.00 94.3 70-130 Toluene o-Xylene 4.73 0.0250 5.00 94.6 70-130 9.49 10.0 94.9 70-130 0.0500 p.m-Xvlene 94.8 70-130 14.2 15.0 Total Xylenes 0.0250 8.00 93.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.45 Matrix Spike (2427029-MS1) Source: E407012-08 Prepared: 07/03/24 Analyzed: 07/03/24 4.71 0.0250 5.00 ND 94.3 54-133 Benzene ND 95.5 61-133 Ethylbenzene 4.78 0.0250 5.00 Toluene 4.88 0.0250 5.00 ND 97.6 61-130 4.90 ND 63-131 5.00 98.0 0.0250 o-Xylene p,m-Xylene 9.86 0.0500 10.0 ND 98.6 63-131 14.8 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.78 8.00 Matrix Spike Dup (2427029-MSD1) Source: E407012-08 Prepared: 07/03/24 Analyzed: 07/03/24 4.49 0.0250 5.00 ND 89.8 54-133 4.91 61-133 4.55 0.0250 5.00 ND 91.0 4.86 20 Ethylbenzene 61-130 Toluene 4.65 0.0250 5.00 ND 93.1 4 74 20

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

ND

ND

ND

93.5

94.0

93.8

97.6

63-131

63-131

63-131

70-130

4.75

4.78

4.77

20

20

20



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

4.67

9.40

14.1

7.81

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	_
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

Carlsbad NM, 87401		Project Manager	r: Jos	seph Guesnie	r			7/1	0/2024 11:48:16AM
	Non	halogenated		Analyst: RKS					
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2427028-BLK1)							Prepared: 0	7/03/24 Anal	yzed: 07/03/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			
LCS (2427028-BS2)							Prepared: 0	7/03/24 Anal	yzed: 07/03/24
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			
Matrix Spike (2427028-MS2)				Source:	E407011-0)4	Prepared: 0	7/03/24 Anal	yzed: 07/03/24
Gasoline Range Organics (C6-C10)	96.2	40.0	100	ND	96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	15.2		16.0		95.0	70-130			
Matrix Spike Dup (2427028-MSD2)				Source:	E407011-0)4	Prepared: 0	7/03/24 Anal	yzed: 07/03/24
Gasoline Range Organics (C6-C10)	91.8	40.0	100	ND	91.8	70-130	4.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	15.3		16.0		95.8	70-130			



 Terracon
 Project Name:
 Leak #149
 Reported:

 4518 W. Pierce St
 Project Number:
 21102-0001

 Carlsbad NM, 87401
 Project Manager:
 Joseph Guesnier
 7/10/2024 11:48:16AM

	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2427029-BLK1)						P	repared: 0	7/03/24 Ana	alyzed: 07/03/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.65		8.00		108	70-130			

LCS (2427029-BS2)							Prepared: 07/03/24 Analyzed: 07/03/24
Gasoline Range Organics (C6-C10)	50.1	20.0	50.0		100	70-130	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.72		8.00		109	70-130	
Matrix Spike (2427029-MS2)				Source:	E407012-0	08	Prepared: 07/03/24 Analyzed: 07/03/24
Gasoline Range Organics (C6-C10)	55.2	20.0	50.0	ND	110	70-130	

Surrogate: 1-Chloro-4-fluorobenzene-FID	8.73		8.00		109	70-130			
Matrix Spike Dup (2427029-MSD2)				Source:	E407012-0	08	Prepared: 07	7/03/24 Analyzed: 07/03/24	
Gasoline Range Organics (C6-C10)	55.4	20.0	50.0	ND	111	70-130	0.427	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.67		8.00		108	70-130			

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	•
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

Carlsbad NM, 87401		Project Manage	r: Jos	seph Guesnie	r			7/1	0/2024 11:48:16AN
	/ORO			Analyst: KM					
nalyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
lank (2427037-BLK1)							Prepared: 0	7/03/24 Anal	yzed: 07/04/24
iesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
ırrogate: n-Nonane	54.6		50.0		109	50-200			
CS (2427037-BS1)							Prepared: 0	7/03/24 Anal	yzed: 07/04/24
iesel Range Organics (C10-C28)	300	25.0	250		120	38-132			
urrogate: n-Nonane	54.2		50.0		108	50-200			
Iatrix Spike (2427037-MS1)				Source:	E407012-0	05	Prepared: 0	7/03/24 Anal	yzed: 07/04/24
iesel Range Organics (C10-C28)	2580	250	250	2200	152	38-132			M4
urrogate: n-Nonane	50.7		50.0		101	50-200			
1 atrix Spike Dup (2427037-MSD1)				Source:	E407012-	05	Prepared: 0	7/03/24 Anal	yzed: 07/04/24
iesel Range Organics (C10-C28)	2650	250	250	2200	179	38-132	2.51	20	M4
ırrogate: n-Nonane	48.7		50.0		97.5	50-200			



Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	•
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

Carlsbad NM, 87401		Project Manage	r: Jos	seph Guesnie	r			7/	10/2024 11:48:16AN
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: KM									Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2427041-BLK1)							Prepared: 0	7/03/24 Ana	alyzed: 07/03/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.3		50.0		88.6	50-200			
LCS (2427041-BS1)							Prepared: 0	7/03/24 Ana	alyzed: 07/03/24
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
Surrogate: n-Nonane	47.4		50.0		94.8	50-200			
Matrix Spike (2427041-MS1)				Source:	E407014-0	02	Prepared: 0	7/03/24 Ana	alyzed: 07/03/24
Diesel Range Organics (C10-C28)	558	50.0	250	282	110	38-132			
Surrogate: n-Nonane	46.1		50.0		92.2	50-200			
Matrix Spike Dup (2427041-MSD1)				Source:	E407014-	02	Prepared: 0	7/03/24 Ana	alyzed: 07/03/24
Diesel Range Organics (C10-C28)	526	50.0	250	282	97.8	38-132	5.81	20	
Surrogate: n-Nonane	48.6		50.0		97.2	50-200			



Terracon 4518 W. Pierce St	Project Name: Project Number:	Leak #149 21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:48:16AM

Carisbad NWI, 8/401		Project Manage	r: JO:	seph Guesme	Γ				//10/2024 11.48.10AW	
Anions by EPA 300.0/9056A Analyst: DT										
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2427032-BLK1)							Prepared: 0	7/03/24 A	nalyzed: 07/03/24	
Chloride	ND	20.0								
LCS (2427032-BS1)							Prepared: 0	7/03/24 A	nalyzed: 07/03/24	
Chloride	256	20.0	250		102	90-110				
Matrix Spike (2427032-MS1)				Source:	E407009-	01	Prepared: 0	07/03/24 Analyzed: 07/03/24		
Chloride	316	20.0	250	58.8	103	80-120				
Matrix Spike Dup (2427032-MSD1)	Source:	E407009-	01	7/03/24 A	nalyzed: 07/03/24					
Chloride	316	20.0	250	58.8	103	80-120	0.0810	20		

Terracon		Project Name:		eak #149					Reported:	
4518 W. Pierce St Carlsbad NM, 87401		Project Number: Project Manager:		1102-0001 oseph Guesnier				7/10/2024 11:48:16AM		
		Anions	by EPA	300.0/9056A					Analyst: WF	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2427045-BLK1)							Prepared: 0	7/03/24 A	Analyzed: 07/03/24	
Chloride	ND	20.0								
LCS (2427045-BS1)							Prepared: 0	7/03/24 A	Analyzed: 07/03/24	
Chloride	248	20.0	250		99.1	90-110				
Matrix Spike (2427045-MS1)				Source: 1	E407012-	03	Prepared: 0	7/03/24 A	Analyzed: 07/03/24	
Chloride	333	20.0	250	78.3	102	80-120				
Matrix Spike Dup (2427045-MSD1)				Source: 1	E407012-	03	Prepared: 0	7/03/24 A	Analyzed: 07/03/24	
Chloride	326	20.0	250	78.3	99.0	80-120	2.29	20		

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

ſ	Terracon	Project Name:	Leak #149	
١	4518 W. Pierce St	Project Number:	21102-0001	Reported:
١	Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	07/10/24 11:48

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



CHAIN OF CUSTODY RECORD

												C	40	10	10		JOD.	# 21102-0001	Page 1 of 4
							E	T. I			1						LAB USE	ONLYDUE DATE:	
			rr	acon		Laboratory	:	lech			102	-	ANA	LYSIS	REQUES	T			
•			- 11 11 1	Explore with us		Address:													
Office	Location					Phone:		-		ALC: U		1 =	-						
Office	Location	452	6 W. Pier	ce St Carlsbad NM, 8	8220	Contact:	-	-			9	Method 300)		8021B)					
Proje	ct Manager		loser	h Guesnier		SRS #:	h 	-13		0	Section 1	\ \frac{17}{20}		302					
	oler's Name			s Sanchez		Sampler's S	Signatu	· /	1-	1		불	8015	g					
Julia	oler 5 Hunte			Junence		Sumpler 3	ngilatui	- ^	-	_				BTEX (EPA Method					
Projec	t Number			Project Name					No. T	vne of	Container	Chloride (EPA	TPH Extended	Z					
	KH24	7005		, reject manie	Leak #14	9			110. 1	, pc 0.		e (E	enc	PA					
×			9 9				+ 5	- 5	S	S	E	ij	X	<u>=</u>					
Matrix	Date	Time	Comp	Identifying	Marks of Sam	ole(s)	Start	End	4 oz Glass	2 oz Glass	250 ml Poly	유	F	12					
	6/28/2024	12:42	X		FS 19		4	4	X 4 Q	2	2 9	X	X			+-	1	Lab Sample ID	
S	6/28/2024	12:45	x		FS 20		4	4	X			x	X			+-	2		
S	6/28/2024	12:48	X		FS 21		4	4	X			X	X			+	3		
S	6/28/2024	12:51	X		FS 22		4	4	X		To a second	X	X				Y		
S	6/28/2024	12:53	X		FS 23		4	4	X		W.	X	X				5		
S	6/28/2024	12:55	X		FS 24		4	4	X			X	X				(0		
5	6/28/2024 6/28/2024	12:58 13:01	X		FS 25 FS 26		4	4	X	-		X	X		_	-	7		
S S S S S S S S S S S S S S S S S S S	6/28/2024	8:43	X		FS 32		6	6	X			X	X			-	89		
S	6/28/2024	9:08	x		FS 63		8	8	X			X	X			-	10		
S	6/28/2024	9:08	X		FS 64		4	4	X			X	X				11		<u></u>
S	6/28/2024	9:14	X		FS 65		8	8	Х			X	Х				12		37
S	6/28/2024	9:16	X		FS 66		4	4	X			X	X				13		
S	6/28/2024	9:18	X		FS 67		12	12	X			X	X				14		
5	6/28/2024 6/28/2024	9:18 9:20	X		FS 68 FS 69		12	12 13	X	-		X	X			-			
S	6/28/2024	9:56	x		FS 70		16	16	X			X	X			+	10		
S	6/28/2024	9:58	X		FS 71		4	4	X			X	X				18		
S	6/28/2024	9:38	X		FS 72		12	12	Х			X	X				19		
S	6/28/2024	9:42	X		FS 73		16	16	X			X	X	_			20		
S	6/28/2024	7:51	X		FS 74		16 16	16	X			X	X			-	21		
	6/28/2024 ROUND TIME	10:02	X	Normal D 48-Hour	FS 75	our Rush		16	X	ton. D	aviau Cha	X	X	X	Ves 🗆	No	22		
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Keiinq	uished by (Sig	nature) (+ 1	Date: 7-2-24	Time:	Regelved	A Salaba	Lufe,	ngr	ies	Date: 7-2-24	I I Im	3V	Bill	Marie -			a mail manulas and	
D - I' - 4	A	100	1 SIE		-	2 .0.	10: 1		U	- V				Targ				e-mail results to:	
Keling	Asped by Life	nature	gales	Date: 14	Time:	Received b	y (Signa	iture)	1.00	_	Date: 7-7-20	Tim	e:	Att:	Amber G	roves		joseph.guesnier@terraconc.om	
			0	221	Ters	Anum	10		2000	U				-				travis.casey@terracon.com	
Reling	ished by (Sig	nature)	_	Date:	Jime:	Received b	y (Signa	ture)	0		Date: 7/3/2L	l lim	e:					mike.adams@terracon.com	
<u>LA</u>	and c	rves	0	7.2.24	2042	Glex	a 211	ich	relo		113/2	IO	30	-				beckysue.miller@terracon.com	
	OF COOLER	-1																gus.sanchez@terracon.com	
	RECEIVED (of			W W	., ,		0 0			C1 C1	1999 1999							chuck.smith@terracon.com	
Matrix		WW-Waste			oil L - Liquid				tube	SL - SI	ludge								
Contai	ner	VOA - 40 m	ii vial A/0	6 - Amber 6 250 ml =	Glass wide mo	u P/O - Plasti	c or oth	ner											
					Lubbock O	ffice w 582	7 50th	Stre	et, Su	ite 1	u Lubbo	ck, T	exas	794	24 = 80	06-300	-0140		

Printed: 7/3/2024 1:59:50PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

	· •			-	•	
Client:	Terracon	Date Received:	07/03/24	10:00	Work Order ID:	E407012
Phone:	(806) 544-9276	Date Logged In:	07/02/24	15:24	Logged In By:	Alexa Michaels
Email:	joseph.guesnier@terracon.com	Due Date:	07/11/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	ne number of samples per sampling site location mat	ch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Couier	
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes		<u>Commen</u>	ts/Resolution
Sample T	urn Around Time (TAT)			[
	COC indicate standard TAT, or Expedited TAT?		Yes		Leak #149 has been sep	parated into multiple
Sample C	· •				WO due to high sample	e volume. WO are
_	sample cooler received?		Yes		as follows:E407012, E4	
	was cooler received in good condition?		Yes		•	107013, E407014,
	e sample(s) received intact, i.e., not broken?		Yes		and E407015.	
	custody/security seals present?		No			
	were custody/security seals intact?					
•	•	i	NA			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling /isible ice, record the temperature. Actual sample	e received w/i 15	Yes			
		temperature. 1	<u> </u>			
Sample C	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers')	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab		iers conceteu.	103			
	field sample labels filled out with the minimum info	rmation:				
	ample ID?		Yes			
D	ate/Time Collected?		Yes	Ĺ		
C	ollectors name?		Yes			
	<u>reservation</u>					
	the COC or field labels indicate the samples were pr	eserved?	No			
	imple(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
<u>Multipha</u>	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA			
Subcontr	act Laboratory					
28. Are sa	imples required to get sent to a subcontract laborato	ry?	No			
	subcontract laboratory specified by the client and it	•	NA	Subcontract Lab	o: NA	
Client In	estruction					
<u>Chent III</u>	isti uction					
1						
1						
						0

Date

Report to:

Joseph Guesnier







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Terracon

Project Name: Leak #149

Work Order: E407013

Job Number: 21102-0001

Received: 7/3/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/10/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/10/24

Joseph Guesnier 4518 W. Pierce St Carlsbad, NM 87401

Project Name: Leak #149 Workorder: E407013

Date Received: 7/3/2024 10:00:00AM

Joseph Guesnier,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/3/2024 10:00:00AM, under the Project Name: Leak #149.

The analytical test results summarized in this report with the Project Name: Leak #149 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Terracon	Project Name:	Leak #149	Donoutoda
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	07/10/24 13:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS 76 16-16	E407013-01A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 77 8-8	E407013-02A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 78 4-4	E407013-03A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 79 20-20	E407013-04A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 80 16-16	E407013-05A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 81 16-16	E407013-06A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 82 20-20	E407013-07A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 83 4-4	E407013-08A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 84 12-12	E407013-09A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 85 16-16	E407013-10A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 86 16-16	E407013-11A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 87 12-12	E407013-12A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 88 12-12	E407013-13A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 89 12-12	E407013-14A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 90 8-8	E407013-15A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 91 4-4	E407013-16A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 92 8-8	E407013-17A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 93 8-8	E407013-18A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 94 8-8	E407013-19A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 95 8-8	E407013-20A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 96 4-4	E407013-21A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 97 4-4	E407013-22A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

FS 76 16-16 E407013-01

	E40/013-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: BA	·	Batch: 2427030
ND	0.0250	1	07/03/24	07/04/24	
ND	0.0250	1	07/03/24	07/04/24	
ND	0.0250	1	07/03/24	07/04/24	
ND	0.0250	1	07/03/24	07/04/24	
ND	0.0500	1	07/03/24	07/04/24	
ND	0.0250	1	07/03/24	07/04/24	
	92.9 %	70-130	07/03/24	07/04/24	
mg/kg	mg/kg	Analyst: BA			Batch: 2427030
ND	20.0	1	07/03/24	07/04/24	
	106 %	70-130	07/03/24	07/04/24	
mg/kg	mg/kg	Analy	st: NV		Batch: 2427038
3380	250	10	07/03/24	07/09/24	
1980	500	10	07/03/24	07/09/24	
	91.1 %	50-200	07/03/24	07/09/24	
mg/kg	mg/kg	Analy	st: DT		Batch: 2427047
1520	20.0	1	07/03/24	07/03/24	
	mg/kg ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 3380 1980	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MB/kg mg/kg MB/kg mg/kg MB/kg mg/kg 1980 500 91.1 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analys ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 MD 0.0250 1 MD 20.0250 1 Mg/kg mg/kg Analys mg/kg mg/kg Analys mg/kg mg/kg Analys mg/kg 500 10 mg/kg mg/kg Analys	Reporting Result Limit Dilution Prepared mg/kg Manalyst: BA ND 0.0250 1 07/03/24 ND 0.0250 1 07/03/24 ND 0.0250 1 07/03/24 ND 0.0250 1 07/03/24 ND 0.0500 1 07/03/24 ND 0.0250 1 07/03/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/03/24 mg/kg mg/kg Analyst: NV 3380 250 10 07/03/24 mg/kg 500 10 07/03/24 mg/kg mg/kg Analyst: NV	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 07/03/24 07/04/24 ND 0.0500 1 07/03/24 07/04/24 ND 0.0250 1 07/03/24 07/04/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/03/24 07/04/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/03/24 07/04/24 mg/kg mg/kg Analyst: NV 3380 250 10 07/03/24 07/09/24 91.1 % 50-200 07/03/24 07/09/24 mg/kg mg/kg Analyst: DT

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

FS 77 8-8 E407013-02

		E40/013-02				
Austra	Result	Reporting Limit	Dilution	D	A la d	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2427030	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	469	250	10	07/03/24	07/09/24	
Oil Range Organics (C28-C36)	519	500	10	07/03/24	07/09/24	
Surrogate: n-Nonane		95.2 %	50-200	07/03/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2427047
Chloride	145	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

FS 78 4-4

		E407013-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		94.1 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	369	50.0	2	07/03/24	07/09/24	
Oil Range Organics (C28-C36)	373	100	2	07/03/24	07/09/24	
Surrogate: n-Nonane		94.7 %	50-200	07/03/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2427047
Chloride	107	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

FS 79 20-20

		E407013-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
o,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	3620	500	20	07/03/24	07/09/24	
Oil Range Organics (C28-C36)	2530	1000	20	07/03/24	07/09/24	
Surrogate: n-Nonane		93.2 %	50-200	07/03/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2427047
Chloride	3070	40.0	2	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

FS 80 16-16 E407013-05

		2107010 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
oluene	ND	0.0250	1	07/03/24	07/04/24	
-Xylene	ND	0.0250	1	07/03/24	07/04/24	
,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
iurrogate: 4-Bromochlorobenzene-PID		93.5 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	522	250	10	07/03/24	07/09/24	
Dil Range Organics (C28-C36)	567	500	10	07/03/24	07/09/24	
Surrogate: n-Nonane		102 %	50-200	07/03/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2427047
Chloride	951	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

FS 81 16-16 E407013-06

		E40/013-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilution	Trepared	Allaryzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
o,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	152	25.0	1	07/03/24	07/09/24	
Oil Range Organics (C28-C36)	96.6	50.0	1	07/03/24	07/09/24	
Surrogate: n-Nonane		80.8 %	50-200	07/03/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2427047
Chloride	4710	40.0	2	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

FS 82 20-20

		E407013-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
p-Xylene	ND	0.0250	1	07/03/24	07/04/24	
o,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	1390	50.0	2	07/03/24	07/09/24	
Oil Range Organics (C28-C36)	819	100	2	07/03/24	07/09/24	
Surrogate: n-Nonane		86.9 %	50-200	07/03/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: DT		Batch: 2427047
Chloride	230	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

FS 83 4-4

		E407013-08				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
p-Xylene	ND	0.0250	1	07/03/24	07/04/24	
o,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	256	50.0	2	07/03/24	07/09/24	
Oil Range Organics (C28-C36)	261	100	2	07/03/24	07/09/24	
Surrogate: n-Nonane		92.6 %	50-200	07/03/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2427047
Chloride	767	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

FS 84 12-12

		E407013-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	913	50.0	2	07/03/24	07/09/24	
Oil Range Organics (C28-C36)	593	100	2	07/03/24	07/09/24	
Surrogate: n-Nonane		85.8 %	50-200	07/03/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2427047
Chloride	842	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

FS 85 16-16 E407013-10

		E40/013-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tillaryce	Result	Liiiit	Dilution	Trepared	7 thary zed	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	654	50.0	2	07/03/24	07/09/24	
Oil Range Organics (C28-C36)	420	100	2	07/03/24	07/09/24	
Surrogate: n-Nonane		88.6 %	50-200	07/03/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2427047
Chloride	791	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

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		E-10/013-11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	3920	500	20	07/03/24	07/09/24	
Oil Range Organics (C28-C36)	2680	1000	20	07/03/24	07/09/24	
Surrogate: n-Nonane		87.1 %	50-200	07/03/24	07/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2427047
Chloride	1520	40.0	2	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

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E407013-12						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	157	50.0	2	07/03/24	07/10/24	
Oil Range Organics (C28-C36)	163	100	2	07/03/24	07/10/24	
Surrogate: n-Nonane		90.4 %	50-200	07/03/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2427047
Chloride	649	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

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		E407013-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	514	500	20	07/03/24	07/10/24	
Oil Range Organics (C28-C36)	ND	1000	20	07/03/24	07/10/24	
Surrogate: n-Nonane		94.8 %	50-200	07/03/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2427047
Chloride	698	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

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		E407013-14				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	49.7	25.0	1	07/03/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/10/24	
Surrogate: n-Nonane		86.4 %	50-200	07/03/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2427047
Chloride	1060	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

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		E40/013-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Thatye	resuit	Emm	Dilution	Trepared	7 Hary Zea	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	1080	250	10	07/03/24	07/10/24	
Oil Range Organics (C28-C36)	948	500	10	07/03/24	07/10/24	
Surrogate: n-Nonane		85.1 %	50-200	07/03/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2427047
Chloride	45.7	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

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		E407013-16				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	707	50.0	2	07/03/24	07/10/24	
Oil Range Organics (C28-C36)	494	100	2	07/03/24	07/10/24	
Surrogate: n-Nonane		85.1 %	50-200	07/03/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2427047
Chloride	43.5	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

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		E407013-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	200	50.0	2	07/03/24	07/10/24	
Oil Range Organics (C28-C36)	221	100	2	07/03/24	07/10/24	
Surrogate: n-Nonane		77.8 %	50-200	07/03/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2427047
Chloride	408	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

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		E407013-18				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		93.5 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	369	50.0	2	07/03/24	07/10/24	
Oil Range Organics (C28-C36)	447	100	2	07/03/24	07/10/24	
Surrogate: n-Nonane		86.4 %	50-200	07/03/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2427047
Chloride	749	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

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		E-10/013-17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
o,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	386	250	10	07/03/24	07/10/24	
Oil Range Organics (C28-C36)	587	500	10	07/03/24	07/10/24	
Surrogate: n-Nonane		81.4 %	50-200	07/03/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2427047
Chloride	737	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

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		E40/013-20				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Dilution	Перагец	Allaryzeu	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2427030
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
p-Xylene	ND	0.0250	1	07/03/24	07/04/24	
o,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2427030
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		107 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2427038
Diesel Range Organics (C10-C28)	558	250	10	07/03/24	07/10/24	
Oil Range Organics (C28-C36)	678	500	10	07/03/24	07/10/24	
Surrogate: n-Nonane		84.7 %	50-200	07/03/24	07/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2427047
Chloride	804	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

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		E407013-21				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2427028
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2427028
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2427041
Diesel Range Organics (C10-C28)	188	25.0	1	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	80.1	50.0	1	07/03/24	07/03/24	
Surrogate: n-Nonane		97.4 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2427032
Chloride	187	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

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		E407013-22				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2427028
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2427028
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2427041
Diesel Range Organics (C10-C28)	405	125	5	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	270	250	5	07/03/24	07/03/24	
Surrogate: n-Nonane		96.7 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2427032
Chloride	86.6	20.0	1	07/03/24	07/03/24	



Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Joseph Guesnier 7/10/2024 1:09:20PM **Volatile Organics by EPA 8021B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2427028-BLK1) Prepared: 07/03/24 Analyzed: 07/03/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.51 8.00 93.9 70-130 LCS (2427028-BS1) Prepared: 07/03/24 Analyzed: 07/03/24 4.61 92.3 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.73 0.0250 5.00 94.6 70-130 4.75 0.0250 5.00 95.1 70-130 Toluene 94.7 o-Xylene 4.74 0.0250 5.00 70-130 9.61 10.0 96.1 70-130 0.0500 p.m-Xvlene 95.7 70-130 14.3 15.0 Total Xylenes 0.0250 8.00 94.4 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.55 Matrix Spike (2427028-MS1) Source: E407011-04 Prepared: 07/03/24 Analyzed: 07/03/24 8.66 0.0500 10.0 ND 86.6 54-133 Benzene ND 88.9 61-133 Ethylbenzene 8.89 0.0500 10.0 Toluene 8.92 0.0500 10.0 ND 89.2 61-130 8.92 ND 89.2 63-131 10.0 0.0500 o-Xylene p,m-Xylene 18.1 0.100 20.0 ND 90.3 63-131 27.0 0.0500 30.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 14.9 16.0 Matrix Spike Dup (2427028-MSD1) Source: E407011-04 Prepared: 07/03/24 Analyzed: 07/03/24 8.72 0.0500 10.0 ND 87.2 54-133 0.741 20 61-133 0.842 8.96 0.0500 10.0 ND 89.6 20 Ethylbenzene Toluene 9.00 0.0500 10.0 ND 899 61-130 0.854 20 9.01 0.0500 10.0 ND 90.1 63-131 1.07 20 o-Xylene 1.02 18.2 20.0 ND 91.2 63-131 20 p,m-Xylene 0.100



27.3

15.1

0.0500

30.0

16.0

ND

90.9

94.6

63-131

70-130

1.04

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Joseph Guesnier 7/10/2024 1:09:20PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2427030-BLK1) Prepared: 07/03/24 Analyzed: 07/03/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.55 8.00 94.4 70-130 LCS (2427030-BS1) Prepared: 07/03/24 Analyzed: 07/04/24 4.64 92.9 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.68 0.0250 5.00 93.6 70-130 4.82 0.0250 5.00 96.4 70-130 Toluene 96.2 o-Xylene 4.81 0.0250 5.00 70-130 9.65 10.0 96.5 70-130 0.0500 p.m-Xvlene 96.4 14.5 15.0 70-130 Total Xylenes 0.0250 8.00 93.3 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.47 Source: E407013-10 Matrix Spike (2427030-MS1) Prepared: 07/03/24 Analyzed: 07/04/24 4.46 0.0250 5.00 ND 54-133 Benzene 61-133 Ethylbenzene 4.50 0.0250 5.00 ND 90.0 Toluene 4.62 0.0250 5.00 ND 92.4 61-130 4.62 ND 92.3 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.26 0.0500 10.0 ND 92.6 63-131 13.9 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.62 8.00 Matrix Spike Dup (2427030-MSD1) Source: E407013-10 Prepared: 07/03/24 Analyzed: 07/04/24 4.75 0.0250 5.00 ND 54-133 6.31 61-133 6.55 4.80 0.0250 5.00 ND 96.0 20 Ethylbenzene 61-130 Toluene 4 93 0.0250 5.00 ND 98.6 6.53 20 4.93 5.00 ND 98.6 63-131 6.61 20 o-Xylene 0.0250 9.89 10.0 ND 98.9 63-131 6.62 20

0.0500

0.0250

15.0

8.00

ND

98.8

94.4

63-131

70-130

6.61

20

14.8

7.55



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	•
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

Carlsbad NM, 87401		Project Manage	r: Jos	seph Guesnie	r			7/1	0/2024 1:09:20PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO		I	Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2427028-BLK1)							Prepared: 0	7/03/24 Anal	yzed: 07/03/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			
LCS (2427028-BS2)							Prepared: 0	7/03/24 Anal	yzed: 07/03/24
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			
Matrix Spike (2427028-MS2)				Source:	E407011-0)4	Prepared: 0	7/03/24 Anal	yzed: 07/03/24
Gasoline Range Organics (C6-C10)	96.2	40.0	100	ND	96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	15.2		16.0		95.0	70-130			
Matrix Spike Dup (2427028-MSD2)				Source:	E407011-0)4	Prepared: 0	7/03/24 Anal	yzed: 07/03/24
Gasoline Range Organics (C6-C10)	91.8	40.0	100	ND	91.8	70-130	4.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	15.3		16.0		95.8	70-130			



Surrogate: 1-Chloro-4-fluorobenzene-FID

8.63

QC Summary Data

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	-
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

Carlsbad NM, 87401		Project Manage	r: Jo	seph Guesnie	r			7	/10/2024 1:09:20PM
	Nor	nhalogenated	Organics	by EPA 801	15D - G	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2427030-BLK1)							Prepared: 0	7/03/24 Ana	alyzed: 07/03/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.46		8.00		106	70-130			
LCS (2427030-BS2)							Prepared: 0	7/03/24 Ana	alyzed: 07/04/24
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.63		8.00		108	70-130			
Matrix Spike (2427030-MS2)				Source:	E407013-	10	Prepared: 0	7/03/24 Ana	alyzed: 07/04/24
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.77		8.00		110	70-130			
Matrix Spike Dup (2427030-MSD2)				Source:	E407013-	10	Prepared: 0	7/03/24 Ana	alyzed: 07/04/24
Gasoline Range Organics (C6-C10)	54.4	20.0	50.0	ND	109	70-130	0.232	20	

108

70-130

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	-
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

Carlsbad NM, 87401		Project Manage	r: Jos	seph Guesnie	r			7/	0/2024 1:09:20PM
	Nonhal	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	kg %	%	%	%	Notes
Blank (2427038-BLK1)							Prepared: 0	7/03/24 Ana	yzed: 07/09/24
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	39.3		50.0		78.6	50-200			
.CS (2427038-BS1)							Prepared: 0	7/03/24 Ana	yzed: 07/09/24
riesel Range Organics (C10-C28)	263	25.0	250		105	38-132			
urrogate: n-Nonane	41.4		50.0		82.9	50-200			
Aatrix Spike (2427038-MS1)				Source:	E407013-	09	Prepared: 0	7/03/24 Ana	yzed: 07/09/24
riesel Range Organics (C10-C28)	1200	50.0	250	913	114	38-132			
urrogate: n-Nonane	47.2		50.0		94.5	50-200			
Matrix Spike Dup (2427038-MSD1)				Source:	E407013-	09	Prepared: 0	7/03/24 Ana	yzed: 07/09/24
tiesel Range Organics (C10-C28)	1340	50.0	250	913	171	38-132	11.2	20	M4
urrogate: n-Nonane	49.4		50.0		98.8	50-200			



Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	·
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

Carlsbad NM, 87401		Project Manage	r: Jo	seph Guesnier	r			,	7/10/2024 1:09:20PM
	Nonha	logenated Or	ganics by	EPA 8015D) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2427041-BLK1)							Prepared: 0	7/03/24 Ar	nalyzed: 07/03/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.3		50.0		88.6	50-200			
LCS (2427041-BS1)							Prepared: 0	7/03/24 Ar	nalyzed: 07/03/24
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
Surrogate: n-Nonane	47.4		50.0		94.8	50-200			
Matrix Spike (2427041-MS1)				Source:	E407014-0	02	Prepared: 0	7/03/24 Ar	nalyzed: 07/03/24
Diesel Range Organics (C10-C28)	558	50.0	250	282	110	38-132			
Surrogate: n-Nonane	46.1		50.0		92.2	50-200			
Matrix Spike Dup (2427041-MSD1)				Source:	E407014-0	02	Prepared: 0	7/03/24 Ar	nalyzed: 07/03/24
Diesel Range Organics (C10-C28)	526	50.0	250	282	97.8	38-132	5.81	20	
Surrogate: n-Nonane	48.6		50.0		97.2	50-200			



Chloride

QC Summary Data

Terracon 4518 W. Pierce St	Project Name: Project Number:	Leak #149 21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 1:09:20PM

Carlsbad NM, 87401		Project Manager	r: Jo	seph Guesme	r			7.	/10/2024 1:09:20PM
		Analyst: DT							
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2427032-BLK1)							Prepared: 0	7/03/24 Ana	alyzed: 07/03/24
Chloride	ND	20.0							
LCS (2427032-BS1)							Prepared: 0	7/03/24 Ana	alyzed: 07/03/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2427032-MS1)				Source:	E407009-	01	Prepared: 0	7/03/24 Ana	alyzed: 07/03/24
Chloride	316	20.0	250	58.8	103	80-120			
Matrix Spike Dup (2427032-MSD1)				Source:	E407009-	01	Prepared: 0	7/03/24 Ana	alyzed: 07/03/24

250

58.8

103

80-120

0.0810

20.0



Terracon 4518 W. Pierce St		Project Name: Project Number:		eak #149 1102-0001					Reported:
Carlsbad NM, 87401		Project Manager		oseph Guesnier					7/10/2024 1:09:20PM
		Anions	by EPA	300.0/9056 <i>A</i>					Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2427047-BLK1)							Prepared: 0	7/03/24 A	.nalyzed: 07/03/24
Chloride	ND	20.0							
LCS (2427047-BS1)							Prepared: 0	7/03/24 A	nalyzed: 07/03/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2427047-MS1)				Source:	E407013-	01	Prepared: 0	7/03/24 A	nalyzed: 07/03/24
Chloride	1710	20.0	250	1520	76.1	80-120			M4
Matrix Spike Dup (2427047-MSD1)				Source:	E407013-	01	Prepared: 0	7/03/24 A	nalyzed: 07/03/24
Chloride	1760	20.0	250	1520	94.9	80-120	2.71	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	07/10/24 13:09

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



CHAIN OF CUSTODY RECORD

							СН	IAIN	OF (CUST	ODY R	ECO	RD							Page <u>2</u> of <u>4</u>
1						Labanatan						1		LVCIC	DEO	urcz.	LAB	USE ON	LYDUE DATE:	Page 2 of 4
		a ie	r		acon	Laboratory:		-				+-	ANA	LYSIS	REQ	UEST	+	out Store		
					Explore with us	Address:											E	40	7013 = 21102-6001	
Office	Location	452	6 W	Dior	ce St Carlsbad NM, 88220	Phone:		in i				0		<u></u>			In	b#	71107-6001	
						Contact:						1300)		218			1			
	ct Manager		J	100.00	h Guesnier	SRS #:		,	,, 0			hoc	2	1 80					Office and the second way a residence of the second	
Sam	oler's Name			Gus	Sanchez	Sampler's S	ignatu	re 🎵	A- da		Plan	Method	8015	hoc			-		>	
Denine	t Number				Decinat Name				N- T		Cantaina		eq	Met			-			
rojec	t Number KH2	47005			Project Name Leak #1	49			IVO. I	ype of	Containe	(E	end	PA						24.5
×	KITZ		α.	٩	100 may 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	sans serves	۽ ٻ		5		E	Chloride (EPA	TPH Extended	BTEX (EPA Method 8021B)						
Matrix	Date	Time	Comp	Grab	Identifying Marks of San	nple(s)	Start	End	4 oz Glass	2 oz Glass	250 ml Poly	임	표	12			-		Lab Carrala ID	
<u>≥</u>	6/28/2024	10:04	X		FS 76		16	16	X	0 2 0	P 2	X	X		-	-	1		Lab Sample ID	
S	6/28/2024		X		FS 77		8	8	X	1		X	X				2			
S	6/28/2024		X		FS 78		4	4	X			X	X				3			
S	6/28/2024		X		FS 79		20	20	X			Х	X				3			
S	6/28/2024		X		FS 80		16	16	X			X	X				5			
2	6/28/2024 6/28/2024		X		FS 81 FS 82		20	16 20	X	-		X	X			_	97			
S	6/28/2024		X		FS 83		4	4	X	-		X	X		-		8			
S	6/28/2024		X		FS 84		12	12	X			X	X	_			9			· · ·
S	6/28/2024		X		FS 85		16	16	X			X	X				10			
S	6/28/2024		X		FS 86		16	16	X			X	X				11			o
S	6/28/2024		X		FS 87		12	12	X			X	X				12			37
2	6/28/2024 6/28/2024		X		FS 88 FS 89		12	12	X			X	X				13			Θ
5	6/28/2024		X		FS 90		8	8	X	-		X	X			_	14			age
S	6/28/2024		X		FS 91		4	4	X	-		X	X	_			10			<u>a</u>
S	6/28/2024		X		FS 92		8	8	X			Х	X				17			
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TURN	AROUND TIM		1	A		Hour Rush				atory R	eview Ch				Yes	□ No	-	•		
Reling	uished by (Si	gnature) ol	1.	01	Date: Time:		y (Signa						e:	Bill						
	uished by (Si	à	t z	12	7-2-24	Received by	elle	40	ngr	les	Date: 7-224	10	30	Targ	a				e-mail results to:	
Reling	uished by (Sin	gnature)		8		Received by			00		Date:	Tim				er Grove			joseph.guesnier@terraconc.om	
	uished by (Sin	(c (700	SA	les	Date: 7-2-24 Time: 15	Lacken	/	H	XX		7.2.20	117	100	6					travis.casey@terracon.com	
	ished by Si		7		Date: Time:	Received by	y (Signa	ature)			Date:	Tim							mike.adams@terracon.com	
()	acen	HXA	6		7.2.24 2349	Plane	017	ich	no Pa		7/3/2	4100					1		beckysue.miller@terracon.com	
TEMP	OF COOLER					- Cresc	. VII	MAIL	www		10	1, ,0					1		gus.sanchez@terracon.com	
	RECEIVED (o	C)																	chuck.smith@terracon.com	
Matrix		WW-Waste	ewat	E	W - Water S - Soil L - Liqui	d A - Air Bag	C - Ch	arcoa	l tube	SL - SI	ludge			-			_			
Contai					- Amber 6 250 ml = Glass wide m	The second secon			e percentago de la composición dela composición de la composición de la composición dela composición dela composición dela composición dela composición de la composición dela composición	CORPORATION										
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Printed: 7/3/2024 2:09:04PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Terracon	Date Received:	07/03/24	10:00	Work Order ID:	E407013
Phone:	(806) 544-9276	Date Logged In:	07/02/24	15:26	Logged In By:	Alexa Michaels
Email:		Due Date:		17:00 (4 day TAT)	Doggou m Dj.	110.10 17.101.00.00
Lillall.	Joseph guesiner@terracon.com	Duc Date.	0//11/24	17.00 (+ day 1711)		
Chain of	Custody (COC)					
1. Does t	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location mate	h the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: C	Couier	
4. Was th	ne COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes			
5. Were a	all samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion				Comme	nts/Resolution
Sample 7	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes		Leak #149 has been se	parated into multiple
Sample (· •				WO due to high sample	le volume. WO are
	sample cooler received?		Yes		as follows:E407012, E	
	was cooler received in good condition?		Yes		•	40/013, 1240/014,
• •	ne sample(s) received intact, i.e., not broken?				and E407015.	
			Yes			
	custody/security seals present?		No			
•	s, were custody/security seals intact?		NA			
12. Was tl	he sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample t	emperature: 4°0	<u>C</u>			
Sample (<u>Container</u>					
14. Are a	iqueous VOC samples present?		No			
15. Are V	VOC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	a trip blank (TB) included for VOC analyses?		NA			
18. Are r	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample contained	ers collected?	Yes			
Field La	<u>bel</u>					
20. Were	field sample labels filled out with the minimum infor	mation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes	Į.		
	Collectors name?		Yes			
	Preservation					
	the COC or field labels indicate the samples were pre	eserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lab	o filteration required and/or requested for dissolved me	etals?	No			
	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multiphase	e?	No			
27. If yes	s, does the COC specify which phase(s) is to be analyze	zed?	NA			
Subcont	ract Laboratory					
	namples required to get sent to a subcontract laboratory	y?	No			
	a subcontract laboratory specified by the client and if		NA	Subcontract Lab	: NA	
Client I	nstruction					
_						0
Signa	ture of client authorizing changes to the COC or sample dispe	osition.			Date	envirotech I

Report to:

Joseph Guesnier







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Terracon

Project Name: Leak #149

Work Order: E407014

Job Number: 21102-0001

Received: 7/3/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/10/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/10/24

Joseph Guesnier 4518 W. Pierce St Carlsbad, NM 87401

Project Name: Leak #149 Workorder: E407014

Date Received: 7/3/2024 10:00:00AM

Joseph Guesnier,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/3/2024 10:00:00AM, under the Project Name: Leak #149.

The analytical test results summarized in this report with the Project Name: Leak #149 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Sample Summary

Terracon	Project Name:	Leak #149	Donouted
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	07/10/24 11:46

Client Sample ID	Lab Sample ID 1	Matrix	Sampled	Received	Container
FS 98 8-8	E407014-01A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 99 4-4	E407014-02A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 100 4-4	E407014-03A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 101 4-4	E407014-04A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 102 4-4	E407014-05A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
FS 103 4-4	E407014-06A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:46:05AM

FS 98 8-8 E407014-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2427028
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		93.4 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2427028
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2427041
Diesel Range Organics (C10-C28)	398	125	5	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	258	250	5	07/03/24	07/03/24	
Surrogate: n-Nonane		93.9 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2427032
Chloride	116	20.0	1	07/03/24	07/03/24	

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:46:05AM

FS 99 4-4 E407014-02

		E40/014-02				
Agairta	Result	Reporting Limit	Dilution	Duomono d	A malarga J	Notes
Analyte	Kesult	Limit	Dilution	Prepared	Analyzed	inotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2427028
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2427028
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2427041
Diesel Range Organics (C10-C28)	282	50.0	2	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	147	100	2	07/03/24	07/03/24	
Surrogate: n-Nonane		96.8 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2427032
Chloride	22.4	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:46:05AM

FS 100 4-4 E407014-03

	E-10701-1-05				
Result	Reporting Limit		n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2427028
ND	0.0250	1	07/03/24	07/03/24	
ND	0.0250	1	07/03/24	07/03/24	
ND	0.0250	1	07/03/24	07/03/24	
ND	0.0250	1	07/03/24	07/03/24	
ND	0.0500	1	07/03/24	07/03/24	
ND	0.0250	1	07/03/24	07/03/24	
	93.6 %	70-130	07/03/24	07/03/24	
mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2427028
ND	20.0	1	07/03/24	07/03/24	
	92.6 %	70-130	07/03/24	07/03/24	
mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2427041
196	25.0	1	07/03/24	07/03/24	
103	50.0	1	07/03/24	07/03/24	
	95.3 %	50-200	07/03/24	07/03/24	
mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2427032
102	20.0	1	07/03/24	07/03/24	
	mg/kg ND ND ND ND ND ND ND ND ND 10 mg/kg ND mg/kg 196 103	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 93.6 % mg/kg MB/kg mg/kg MB/kg mg/kg 196 25.0 103 50.0 95.3 % mg/kg mg/kg mg/kg	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Ana ND 20.0 1 92.6 % 70-130 70-130 mg/kg mg/kg Ana 196 25.0 1 103 50.0 1 95.3 % 50-200 mg/kg mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/03/24 ND 0.0250 1 07/03/24 ND 0.0250 1 07/03/24 ND 0.0250 1 07/03/24 ND 0.0500 1 07/03/24 ND 0.0250 1 07/03/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/03/24 mg/kg mg/kg Analyst: KM 196 25.0 1 07/03/24 103 50.0 1 07/03/24 mg/kg mg/kg Analyst: KM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/03/24 07/03/24 ND 0.0500 1 07/03/24 07/03/24 ND 0.0250 1 07/03/24 07/03/24 MD 0.0250 1 07/03/24 07/03/24 Mg/kg mg/kg Analyst: RKS ND 20.0 1 07/03/24 07/03/24 Mg/kg mg/kg Analyst: KM 196 25.0 1 07/03/24 07/03/24 mg/kg mg/kg Analyst: KM 196 25.0 1 07/03/24 07/03/24 103 50.0 1 07/03/24 07/03/24 05.3 % 50-200 </td



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:46:05AM

FS 101 4-4 E407014-04

		L107011 01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2427028
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
o,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2427028
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2427041
Diesel Range Organics (C10-C28)	84.5	25.0	1	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	68.2	50.0	1	07/03/24	07/03/24	
Surrogate: n-Nonane		98.8 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2427032
Chloride	42.1	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:46:05AM

FS 102 4-4 E407014-05

		E40/014-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2427028
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2427028
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: KM		Batch: 2427041
Diesel Range Organics (C10-C28)	193	50.0	2	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	119	100	2	07/03/24	07/03/24	
Surrogate: n-Nonane		98.1 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2427032
Chloride	215	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:46:05AM

FS 103 4-4

		E407014-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2427028
Benzene	ND	0.0250	1	07/03/24	07/03/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/03/24	
Toluene	ND	0.0250	1	07/03/24	07/03/24	
o-Xylene	ND	0.0250	1	07/03/24	07/03/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/03/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/03/24	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2427028
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	07/03/24	07/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2427041
Diesel Range Organics (C10-C28)	293	50.0	2	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	161	100	2	07/03/24	07/03/24	
Surrogate: n-Nonane		98.4 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2427032
Chloride	22.5	20.0	1	07/03/24	07/03/24	



Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Joseph Guesnier 7/10/2024 11:46:05AM **Volatile Organics by EPA 8021B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2427028-BLK1) Prepared: 07/03/24 Analyzed: 07/03/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.51 8.00 93.9 70-130 LCS (2427028-BS1) Prepared: 07/03/24 Analyzed: 07/03/24 4.61 92.3 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.73 0.0250 5.00 94.6 70-130 4.75 0.0250 5.00 95.1 70-130 Toluene 94.7 o-Xylene 4.74 0.0250 5.00 70-130 9.61 10.0 96.1 70-130 0.0500 p.m-Xvlene 95.7 70-130 14.3 15.0 Total Xylenes 0.0250 8.00 94.4 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.55 Matrix Spike (2427028-MS1) Source: E407011-04 Prepared: 07/03/24 Analyzed: 07/03/24 8.66 0.0500 10.0 ND 86.6 54-133 Benzene ND 88.9 61-133 Ethylbenzene 8.89 0.0500 10.0 Toluene 8.92 0.0500 10.0 ND 89.2 61-130 8.92 10.0 ND 89.2 63-131 0.0500 o-Xylene p,m-Xylene 18.1 0.100 20.0 ND 90.3 63-131 27.0 0.0500 30.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 14.9 16.0 Matrix Spike Dup (2427028-MSD1) Source: E407011-04 Prepared: 07/03/24 Analyzed: 07/03/24 8.72 0.0500 10.0 ND 87.2 54-133 0.741 20 ND 61-133 0.842 8.96 0.0500 10.0 89.6 20 Ethylbenzene 61-130 Toluene 9.00 0.0500 10.0 ND 899 0.854 20 9.01 0.0500 10.0 ND 90.1 63-131 1.07 20 o-Xylene 1.02 18.2 20.0 ND 91.2 63-131 20 p,m-Xylene 0.100



27.3

15.1

0.0500

30.0

16.0

ND

90.9

94.6

63-131

70-130

1.04

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	•
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:46:05AM

Carlsbad NM, 87401		Project Manage	r: Jos	seph Guesnie	r			7/1	0/2024 11:46:05AM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2427028-BLK1)							Prepared: 0	7/03/24 Ana	lyzed: 07/03/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			
LCS (2427028-BS2)							Prepared: 0	7/03/24 Ana	lyzed: 07/03/24
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			
Matrix Spike (2427028-MS2)				Source:	E407011-0)4	Prepared: 0	7/03/24 Ana	lyzed: 07/03/24
Gasoline Range Organics (C6-C10)	96.2	40.0	100	ND	96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	15.2		16.0		95.0	70-130			
Matrix Spike Dup (2427028-MSD2)				Source:	E407011-0)4	Prepared: 0	7/03/24 Ana	lyzed: 07/03/24
Gasoline Range Organics (C6-C10)	91.8	40.0	100	ND	91.8	70-130	4.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	15.3		16.0		95.8	70-130			

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	·
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 11:46:05AM

Carlsbad NM, 87401		Project Manage	r: Jos	seph Guesnie	r			7	//10/2024 11:46:05AN	
Nonhalogenated Organics by EPA 8015D - DRO/ORO										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2427041-BLK1)							Prepared: 0	7/03/24 An	alyzed: 07/03/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Dil Range Organics (C28-C36)	ND	50.0								
urrogate: n-Nonane	44.3		50.0		88.6	50-200				
LCS (2427041-BS1)							Prepared: 0	7/03/24 An	alyzed: 07/03/24	
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132				
urrogate: n-Nonane	47.4		50.0		94.8	50-200				
Matrix Spike (2427041-MS1)				Source:	E407014-0	02	Prepared: 0	7/03/24 An	alyzed: 07/03/24	
Diesel Range Organics (C10-C28)	558	50.0	250	282	110	38-132				
urrogate: n-Nonane	46.1		50.0		92.2	50-200				
Matrix Spike Dup (2427041-MSD1)				Source:	E407014-0	02	Prepared: 0	7/03/24 An	alyzed: 07/03/24	
Diesel Range Organics (C10-C28)	526	50.0	250	282	97.8	38-132	5.81	20		
'urrogate: n-Nonane	48.6		50.0		97.2	50-200				



Terracon 4518 W. Pierce St		Project Name: Project Number:		eak #149 1102-0001					Reported:
Carlsbad NM, 87401		Project Manager:		oseph Guesnier	•			,	7/10/2024 11:46:05AM
		Anions	by EPA	300.0/9056 <i>A</i>	L				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2427032-BLK1)							Prepared: 0'	7/03/24 Aı	nalyzed: 07/03/24
Chloride	ND	20.0							
LCS (2427032-BS1)							Prepared: 0'	7/03/24 Aı	nalyzed: 07/03/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2427032-MS1)				Source:	E407009-	01	Prepared: 0'	7/03/24 Aı	nalyzed: 07/03/24
Chloride	316	20.0	250	58.8	103	80-120			
Matrix Spike Dup (2427032-MSD1)				Source:	E407009-	01	Prepared: 0	7/03/24 Aı	nalyzed: 07/03/24
Chloride	316	20.0	250	58.8	103	80-120	0.0810	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

ſ	Terracon	Project Name:	Leak #149	
١	4518 W. Pierce St	Project Number:	21102-0001	Reported:
١	Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	07/10/24 11:46

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



CHAIN OF CUSTODY RECORD

												ALC: U						Page <u>3</u> of <u>1</u>
	1			44			Laboratory							ΔNA	NVS	IS REQU	FST	LAB USE ONLYDUE DATE:
Proje	Location ct Manager oler's Name	6316	6 W. P	ierc	Explore with us e St Carlsbad NM, 8 Guesnier Sanchez	8220	Address: Phone: Contact: SRS #: Sampler's		ire 🏖	t d			Method 300)	(000	8021B)			E407014 job# 21102-0001
1	order V													8 9	/et			
Projec	t Number	17005			Project Name					No. T	ype of	Containe	ers d	i g	4			
Matrix	Date	17005 Time	Comp	Grab	Identifying	Leak #149 Marks of Samp		Start	End	4 oz Glass	2 oz Glass	250 ml Poly	Chloride (EPA	TPH Extended 8015	втех (ер			Lab Sample ID
S	6/28/2024	12:16	X			FS 98		8	8	Х			X	X	X			
S	6/28/2024	12:01	X			FS 99		4	4	X			X					2
S S	6/28/2024 6/28/2024	12:04 12:08	X			FS 100 FS 101		4	4	X	-		X					3 4
S	6/28/2024	12:12	X			FS 102		4	4	X			X					5
S	6/28/2024	12:16	X			FS 103		4	4	X		T-	X	X	X			9
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TURNA	ROUND TIME	E	-	D/	Normal D 48-Hour	Rush 24-H	our Rush		TRRP	Labora	atory R	eview Ch	ecklis	t		Yes	No	
Reling	uished by (Sig	nature) U	11		Date:	Time:	Received b	y (Sign	ature)		Δ			ne:	Bill	l To:		
		\mathcal{A}	4-1	_	7-2-24		Wich	elle	60	saga	les	Date: 7-12	1 1	030	Tai	rga		e-mail results to:
Relinq	Ished by Ish	nature)	an l	121	Date: 7-2.24	Time:	Received b	y (Sign	ature)	19	10	Date:		7α	Att	t: Amber	Groves	,
	· freheelt	- da	2 or	Š	1-2:24		Ladre		1	Y	10	7.2.2		100)			travis.casey@terracon.com
Relinq	uished by (Sig	nature)	0		Date:	Time: 345	Received b	y (Sign	ature)	0		Date: 12	Tin	ne:				mike.adams@terracon.com
0	Sadre !	Miss	۴_		7.2.24	10343	Ollex	a 91	lich	sels		11312	4/10	200				beckysue.miller@terracon.com
TEMP	OF COOLER				,													gus.sanchez@terracon.com
	RECEIVED (or					<u> </u>					61 -	100						chuck.smith@terracon.com
Matrix		WW-Waste				il L - Liquid				tube	SL - SI	ludge						
Contai	ner	VUA - 40 m	ii vial /	4/6	- Amber € 250 ml =	Glass wide mo	P/O - Plast	c or ot	ner									
						Lubbock Of	fice m 582	7 50t	h Stre	et. Su	iite 1	■ Lubb	ock.	Texas	5 79	424 ≡	806-30	0-0140

Printed: 7/3/2024 2:12:47PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Terracon	Date Received:	07/03/24	10:00	Work Order ID:	E407014
Phone:	(806) 544-9276	Date Logged In:	07/02/24	15:29	Logged In By:	Alexa Michaels
Email:		Due Date:		17:00 (4 day TAT)	Dogged in Dj.	1.110.111.111.111.111
Linuii.	Joseph-gaesmer@terracon.com	Due Date.	0//11/21			
Chain o	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location mate	h the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	Couier	
4. Was th	ne COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	_		
5. Were	all samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion				Comme	nts/Resolution
Sample '	Turn Around Time (TAT)					
	ne COC indicate standard TAT, or Expedited TAT?		Yes		Leak #149 has been se	parated into multiple
Sample	Cooler				WO due to high sampl	e volume. WO are
	sample cooler received?		Yes		as follows:E407012, E	
	was cooler received in good condition?		Yes		•	,407013, 12407014,
•	ne sample(s) received intact, i.e., not broken?		Yes		and E407015.	
	e custody/security seals present?					
	s, were custody/security seals intact?		No			
-		601000	NA			
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling		Yes			
13. If no	visible ice, record the temperature.	emperature: 4°0	<u>C</u>			
Sample	<u>Container</u>					
14. Are a	aqueous VOC samples present?		No			
15. Are	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are 1	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample contained	ers collected?	Yes			
Field La	ibel_					
20. Were	e field sample labels filled out with the minimum infor	mation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes	·		
	Collectors name?		Yes			
	Preservation	40				
	s the COC or field labels indicate the samples were pre	served?	No			
	sample(s) correctly preserved?		NA			
24. Is lat	o filteration required and/or requested for dissolved me	etals?	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase		No			
27. If yes	s, does the COC specify which phase(s) is to be analyz	zed?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laboratory	7?	No			
	a subcontract laboratory specified by the client and if		NA	Subcontract Lab	: NA	
Client I	Instruction					
CHEIR I	isti ucuvii					1
<u> </u>	true of client outhonisis - the secret of COC	naitian			Date	– 🥝 envirotech I
Signa	ture of client authorizing changes to the COC or sample disposition	OSILION.			Date	ELIVITORECH I

Report to:

Joseph Guesnier







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Terracon

Project Name: Leak #149

Work Order: E407015

Job Number: 21102-0001

Received: 7/3/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/10/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/10/24

Joseph Guesnier 4518 W. Pierce St Carlsbad, NM 87401

Project Name: Leak #149 Workorder: E407015

Date Received: 7/3/2024 10:00:00AM

Joseph Guesnier,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/3/2024 10:00:00AM, under the Project Name: Leak #149.

The analytical test results summarized in this report with the Project Name: Leak #149 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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whinchman@envirotech-inc.com

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mgonzales@envirotech-inc.com

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Sample Summary

Terracon	Project Name:	Leak #149	Donoutoda
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	07/10/24 14:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
N-SW-1 4-8	E407015-01A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
N-SW-1 4-16	E407015-02A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
N-SW-1 16-20	E407015-03A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
N-SW-4 0-4	E407015-04A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
N-SW-4 4-8	E407015-05A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
N-SW-4 8-16	E407015-06A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
N-SW-4 16-20	E407015-07A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S-SW-5 0-4	E407015-08A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S-SW-5 4-8	E407015-09A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S-SW-5 8-16	E407015-10A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S-SW-5 16-20	E407015-11A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S-SW-6 0-4	E407015-12A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S-SW-6 4-8	E407015-13A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S-SW-6 8-16	E407015-14A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
S-SW-6 16-20	E407015-15A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
E-SW-4 0-4	E407015-16A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
E-SW-4 4-8	E407015-17A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
E-SW-4 8-16	E407015-18A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
W-SW-1 4-8	E407015-19A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.
W-SW-1 8-16	E407015-20A	Soil	06/28/24	07/03/24	Glass Jar, 2 oz.



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

N-SW-1 4-8 E407015-01

	E40/013-01				
Dogult			Duomonod	A malvira J	Notes
Result	Limit	Dilution	Prepared	Anaiyzed	Notes
mg/kg	mg/kg	Analy	st: BA		Batch: 2427031
ND	0.0250	1	07/03/24	07/04/24	
ND	0.0250	1	07/03/24	07/04/24	
ND	0.0250	1	07/03/24	07/04/24	
ND	0.0250	1	07/03/24	07/04/24	
ND	0.0500	1	07/03/24	07/04/24	
ND	0.0250	1	07/03/24	07/04/24	
	94.0 %	70-130	07/03/24	07/04/24	
mg/kg	mg/kg	Analy	st: BA		Batch: 2427031
ND	20.0	1	07/03/24	07/04/24	
	94.4 %	70-130	07/03/24	07/04/24	
mg/kg	mg/kg	Analy	st: KM		Batch: 2427039
404	50.0	2	07/03/24	07/03/24	
296	100	2	07/03/24	07/03/24	
	79.1 %	50-200	07/03/24	07/03/24	
mg/kg	mg/kg	Analy	st: JM		Batch: 2427048
3810	40.0	2	07/03/24	07/03/24	
	ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 404 296	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg Mg/kg mg/kg Mg/kg mg/kg 404 50.0 296 100 79.1 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 0.0250 1 94.0 % 70-130 mg/kg mg/kg Analy ND 20.0 1 94.4 % 70-130 70-130 mg/kg mg/kg Analy 404 50.0 2 296 100 2 79.1 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 07/03/24 ND 0.0250 1 07/03/24 ND 0.0250 1 07/03/24 ND 0.0250 1 07/03/24 ND 0.0500 1 07/03/24 ND 0.0250 1 07/03/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/03/24 mg/kg mg/kg Analyst: KM 404 50.0 2 07/03/24 mg/kg mg/kg Analyst: KM 404 50.0 2 07/03/24 296 100 2 07/03/24 mg/kg mg/kg Analyst: JM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 07/03/24 07/04/24 ND 0.0500 1 07/03/24 07/04/24 ND 0.0250 1 07/03/24 07/04/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/03/24 07/04/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/03/24 07/04/24 mg/kg mg/kg Analyst: KM 404 50.0 2 07/03/24 07/03/24 79.1 % 50-200 07/03/24 07/03/24 07/03/24 mg/kg mg/kg Analyst: JM 07/03/24 <t< td=""></t<>

Terracon		Project Name:	Leak #149	
4518 W. Pierce	St	Project Number:	21102-0001	Reported:
Carlsbad NM,	37401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

N-SW-1 4-16

		E407015-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
o,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		89.6 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	3020	125	5	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	2200	250	5	07/03/24	07/03/24	
Surrogate: n-Nonane		79.8 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2427048
Chloride	4500	40.0	2	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

N-SW-1 16-20

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA	<u> </u>	Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	93.8	25.0	1	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	71.3	50.0	1	07/03/24	07/03/24	
Surrogate: n-Nonane		81.8 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2427048
Chloride	854	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

N-SW-4 0-4

		E407015-04				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/03/24	
Surrogate: n-Nonane		81.9 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2427048
Chloride	ND	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

N-SW-4 4-8

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		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/03/24	
Surrogate: n-Nonane		82.1 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: JM		Batch: 2427048
Chloride	34.1	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

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		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	1500	125	5	07/03/24	07/08/24	
Oil Range Organics (C28-C36)	1220	250	5	07/03/24	07/08/24	
Surrogate: n-Nonane		87.1 %	50-200	07/03/24	07/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2427048



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		90.8 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	824	50.0	2	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	569	100	2	07/03/24	07/03/24	
Surrogate: n-Nonane		80.9 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2427048
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Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

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		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	alyst: BA		Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	alyst: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/03/24	
Surrogate: n-Nonane		78.4 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: JM		Batch: 2427048
Chloride	875	20.0	1	07/03/24	07/03/24	•



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

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		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	58.0	25.0	1	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/03/24	
Surrogate: n-Nonane		81.7 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2427048
Chloride	1410	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

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		E407015-10				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
o,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	35.4	25.0	1	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/03/24	
Surrogate: n-Nonane		81.9 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2427048
Chloride	1650	20.0	1	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

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	Reporting				
Result	Limit	Dilutio	on Prepared	Analyzed	Notes
mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2427031
ND	0.0250	1	07/03/24	07/04/24	
ND	0.0250	1	07/03/24	07/04/24	
ND	0.0250	1	07/03/24	07/04/24	
ND	0.0250	1	07/03/24	07/04/24	
ND	0.0500	1	07/03/24	07/04/24	
ND	0.0250	1	07/03/24	07/04/24	
	91.2 %	70-130	07/03/24	07/04/24	
mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2427031
ND	20.0	1	07/03/24	07/04/24	
	91.5 %	70-130	07/03/24	07/04/24	
mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2427039
135	25.0	1	07/03/24	07/03/24	
113	50.0	1	07/03/24	07/03/24	
	74.0 %	50-200	07/03/24	07/03/24	
mg/kg	mg/kg	Aı	nalyst: JM		Batch: 2427048
g/ 11.5	88				
	mg/kg ND ND ND ND ND ND ND ND 135 113	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 MB/kg mg/kg MB/kg mg/kg mg/kg mg/kg 135 25.0 113 50.0 74.0 %	Result Limit Diluti mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 91.2 % 70-130 mg/kg mg/kg A ND 20.0 1 91.5 % 70-130 mg/kg mg/kg A 135 25.0 1 113 50.0 1 74.0 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 07/03/24 ND 0.0250 1 07/03/24 ND 0.0250 1 07/03/24 ND 0.0250 1 07/03/24 ND 0.0500 1 07/03/24 ND 0.0250 1 07/03/24 mg/kg mg/kg Analyst: BA ND 20.0 1 07/03/24 mg/kg mg/kg Analyst: KM 135 25.0 1 07/03/24 113 50.0 1 07/03/24 74.0 % 50-200 07/03/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 07/03/24 07/04/24 ND 0.0500 1 07/03/24 07/04/24 ND 0.0250 1 07/03/24 07/04/24 MD 0.0250 1 07/03/24 07/04/24 Mg/kg mg/kg Analyst: BA ND 20.0 1 07/03/24 07/04/24 Mg/kg mg/kg Analyst: BA ND 20.0 1 07/03/24 07/04/24 mg/kg mg/kg Analyst: KM 135 25.0 1 07/03/24 07/03/24 113 50.0 1 07/03/24 07/03/24 74.0 % 50-200



Terracon		Project Name:	Leak #149	
4518 W. Pierce	St	Project Number:	21102-0001	Reported:
Carlsbad NM,	37401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

S-SW-6 0-4

		E407015-12				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ai	nalyst: BA		Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/03/24	
Surrogate: n-Nonane		83.5 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: JM		Batch: 2427048
Chloride	514	20.0	1	07/03/24	07/03/24	



Chloride

Sample Data

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

S-SW-6 4-8

E407015-13						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/03/24	
Surrogate: n-Nonane		83.3 %	50-200	07/03/24	07/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2427048

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07/03/24

07/03/24



Terracon		Project Name:	Leak #149	
4518 W. Pierce	St	Project Number:	21102-0001	Reported:
Carlsbad NM,	37401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	ND	25.0	1	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/03/24	07/04/24	
Surrogate: n-Nonane		82.5 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2427048
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Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		90.8 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2427039
Diesel Range Organics (C10-C28)	1540	500	20	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	1200	1000	20	07/03/24	07/04/24	
Surrogate: n-Nonane		81.8 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2427048
Chloride	687	20.0	1	07/03/24	07/03/24	•



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

E-SW-4 0-4 E407015-16

		E40/013-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilution	Trepared	Allaryzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
o,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		89.6 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	1040	50.0	2	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	568	100	2	07/03/24	07/04/24	
Surrogate: n-Nonane		81.0 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2427048
Chloride	91.8	20.0	1	07/03/24	07/03/24	



Chloride

Sample Data

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

E-SW-4 4-8

		E407015-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	1540	125	5	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	1010	250	5	07/03/24	07/04/24	
Surrogate: n-Nonane		82.9 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2427048

20.0

07/03/24

07/03/24

356



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

E-SW-4 8-16

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		89.7 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2427039
Diesel Range Organics (C10-C28)	3460	1250	50	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	3170	2500	50	07/03/24	07/04/24	
Surrogate: n-Nonane		89.3 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2427048
Chloride	1360	40.0	2	07/03/24	07/03/24	_
Chloride	1360	40.0	2	07/03/24	07/03/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

W-SW-1 4-8

		E407015-19				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		89.8 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2427031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.4 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	902	125	5	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	644	250	5	07/03/24	07/04/24	
Surrogate: n-Nonane		84.6 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: JM		Batch: 2427048
Chloride	1650	40.0	2	07/03/24	07/03/24	



Terracon		Project Name:	Leak #149	
4518 W. Pierce	St	Project Number:	21102-0001	Reported:
Carlsbad NM,	37401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

W-SW-1 8-16

		E407015-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2427031
Benzene	ND	0.0250	1	07/03/24	07/04/24	
Ethylbenzene	ND	0.0250	1	07/03/24	07/04/24	
Toluene	ND	0.0250	1	07/03/24	07/04/24	
o-Xylene	ND	0.0250	1	07/03/24	07/04/24	
p,m-Xylene	ND	0.0500	1	07/03/24	07/04/24	
Total Xylenes	ND	0.0250	1	07/03/24	07/04/24	
Surrogate: 4-Bromochlorobenzene-PID		88.7 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2427031	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/03/24	07/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	07/03/24	07/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2427039
Diesel Range Organics (C10-C28)	2460	125	5	07/03/24	07/04/24	
Oil Range Organics (C28-C36)	1510	250	5	07/03/24	07/04/24	
Surrogate: n-Nonane		82.2 %	50-200	07/03/24	07/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2427048
Chloride	2360	40.0	2	07/03/24	07/03/24	



Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Joseph Guesnier 7/10/2024 2:48:52PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2427031-BLK1) Prepared: 07/03/24 Analyzed: 07/03/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.45 8.00 93.1 70-130 LCS (2427031-BS1) Prepared: 07/03/24 Analyzed: 07/04/24 4.41 88.2 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.61 0.0250 5.00 92.2 70-130 4.60 0.0250 5.00 92.0 70-130 Toluene 92.4 o-Xylene 4.62 0.0250 5.00 70-130 9.37 10.0 93.7 70-130 0.0500 p.m-Xvlene 93.3 14.0 15.0 70-130 Total Xylenes 0.0250 8.00 94.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.52 Matrix Spike (2427031-MS1) Source: E407015-10 Prepared: 07/03/24 Analyzed: 07/10/24 5.00 0.0250 5.00 ND 54-133 Benzene ND 95.7 61-133 Ethylbenzene 4.79 0.0250 5.00 Toluene 4.92 0.0250 5.00 ND 98.4 61-130 4.75 ND 95.0 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.73 0.0500 10.0 ND 97.3 63-131 14.5 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.13 8.00 Matrix Spike Dup (2427031-MSD1) Source: E407015-10 Prepared: 07/03/24 Analyzed: 07/04/24 4.35 0.0250 5.00 ND 87.0 54-133 14.0 61-133 5.20 4.54 0.0250 5.00 ND 90.9 20 Ethylbenzene 61-130 Toluene 4 54 0.0250 5.00 ND 90.8 8.04 20 4.56 5.00 ND 91.1 63-131 4.15 20 o-Xylene 0.0250 9.23 10.0 ND 92.3 63-131 5.28 20

0.0500

0.0250

15.0

8.00

ND

91.9

93.9

63-131

70-130

4.91

20

13.8

7.51



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	•
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

Carlsbad NM, 87401		Project Manage	r: Jo	seph Guesnie	r			7/	10/2024 2:48:52PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2427031-BLK1)							Prepared: 0	7/03/24 Ana	lyzed: 07/03/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			
LCS (2427031-BS2)							Prepared: 0	7/03/24 Ana	lyzed: 07/04/24
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0		90.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.8	70-130			
Matrix Spike (2427031-MS2)				Source:	E407015-	10	Prepared: 0	7/03/24 Ana	lyzed: 07/04/24
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			
Matrix Spike Dup (2427031-MSD2)				Source:	E407015-	10	Prepared: 0	7/03/24 Ana	lyzed: 07/04/24
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.6	70-130	1.85	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			



Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	·
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	7/10/2024 2:48:52PM

Carlsbad NM, 87401		Project Manage	r: Jos	seph Guesnie	r			7	7/10/2024 2:48:52PM
	Nonhal	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2427039-BLK1)							Prepared: 0	7/03/24 An	alyzed: 07/03/24
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	37.9		50.0		75.7	50-200			
.CS (2427039-BS1)							Prepared: 0	7/03/24 An	alyzed: 07/03/24
riesel Range Organics (C10-C28)	222	25.0	250		88.6	38-132			
urrogate: n-Nonane	39.0		50.0		78.0	50-200			
Aatrix Spike (2427039-MS1)				Source:	E407015-0	06	Prepared: 0	7/03/24 An	alyzed: 07/08/24
riesel Range Organics (C10-C28)	1700	125	250	1500	76.8	38-132			
urrogate: n-Nonane	44.1		50.0		88.2	50-200			
Matrix Spike Dup (2427039-MSD1)				Source:	E407015-	06	Prepared: 0	7/03/24 An	alyzed: 07/08/24
tiesel Range Organics (C10-C28)	1640	125	250	1500	54.2	38-132	3.40	20	
urrogate: n-Nonane	42.6		50.0		85.2	50-200			



Terracon 4518 W. Pierce St Carlsbad NM, 87401		Project Name: Project Number: Project Manager	21	eak #149 1102-0001 oseph Guesnie	r				Reported: 7/10/2024 2:48:52PM
		Anions	by EPA 3	300.0/90 5 6 <i>A</i>	A				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2427048-BLK1)							Prepared: 0'	7/03/24 A	nalyzed: 07/03/24
Chloride	ND	20.0							
LCS (2427048-BS1)							Prepared: 0	7/03/24 A	nalyzed: 07/03/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2427048-MS1)				Source:	E407015-	04	Prepared: 0'	7/03/24 A	nalyzed: 07/03/24
Chloride	263	20.0	250	ND	105	80-120			
Matrix Spike Dup (2427048-MSD1)				Source:	E407015-0	04	Prepared: 0	7/03/24 A	nalyzed: 07/03/24
Chloride	265	20.0	250	ND	106	80-120	0.716	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	07/10/24 14:48

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



CHAIN OF CUSTODY RECORD

5																			Page	9 9 of 9
							Laborator								A B L A L	vcic	DECLIECT	LAB USE	ONLYDUE DATE:	
Office	Location				Explore with us St Carlsbad NM, 88	3220	Address: Phone: Contact:							Method 300)	ANAL		REQUEST	E4	# 21102-0001	
Proje	ct Manager	200	los	onh G	Guesnier		SRS #:		-				- 1	g		20		0		
-	oler's Name			-	inchez		Sampler's S	Signatu	re #	11	/			<u>ن</u> چ	8015	b				
Julin	oler 3 Harrie			us su	menez		Jumpier 3	льнаса	L AL	1.60						ig.				
Projec	t Number			Pr	roject Name					No. T	vpe of	Contair	ners	PA	ded	ž				
	KH24	7005		100.00	.,	Leak #149)			1.0	1,000.		1	e (E	Extended	PA				
Matrix	Date	Time	Comp	Grab	Identifying I	Marks of Samp		Start	End	4 oz Glass	2 oz Glass	250 ml Poly		Chloride (EPA	TPH Ext	BTEX (EPA Method 8021B)			Lab Sample ID	
	6/28/2024	11:39	X			N-SW-1		4	8	X				X	X	Х		1	•	
S	6/28/2024	11:33	X			N-SW-1		8	16	X				X	X	X		2		
5	6/28/2024 6/28/2024	11:28 12:06	X	4		N-SW-1 N-SW-4		16	20	X				X	X	X		3		
5	6/28/2024	12:04	X	+		N-SW-4		4	8	X	-			X		X	-	5		
S S S S S S S S S S	6/28/2024	11:32	X	_		N-SW-4		8	16	X				X	X	X		G		
S	6/28/2024	11:28	X			N-SW-4		16	20	X		TELL		X	X	Х		7		
S	6/28/2024	11:44	X			S-SW-5		0	4	X		11.		X	Х			8		
S	6/28/2024	11:42	X			S-SW-5		4	8	X				X	X	X		9		32
S	6/28/2024 6/28/2024	11:26 11:24	X	_		S-SW-5 S-SW-5		8	16 20	X				X		X		10		
5	6/28/2024	12:21	X	-		S-SW-6		0	4	X		-		X	X	X		12		
S	6/28/2024	12:08	X			S-SW-6		4	8	X				X		X		13		——. £
S	6/28/2024	11:28	X			S-SW-6		8	16	X				X	X	X		13		
S	6/28/2024	11:31	X			S-SW-6		16	20	X				X		Х		15		Page
S	6/28/2024	11:58	X			E-SW-4		0	4	X				X	X	X		10		
S	6/28/2024	12:00 11:36	X			E-SW-4 E-SW-4		8	8 16	X				X		X		17		i
5	6/28/2024 6/28/2024	11:18	X	-		N-SW-1		4	8	X	-			X	X	X	-	18		
S	6/28/2024	11:20	X	_		W-SW-1		8	16	X	-			X		x		20		
				1																
	AROUND TIME			Ø No	ormal [©] 48-Hour R	tush 24-H	our Rush					eview C				_ ,	Yes No			
Relinq	uished by (Sig	nature)	18	/	Date: 7-2-24	Time:	Received b	y (Signa	ture)	nga	les	Date:	14 1	ime:	0	Bill 1 Targ			e-mail results to:	
Reling	yished by (Sig	nature)	A.			Time:	Received b	y (Sjigna	ature)	70		Date:	Ti	ime:		Att:	Amber Grove	s	joseph.guesnier@terraconc.om	
				8	Date: 7-2-24	Time:	Received b		H	JXX	٥	7.2.	w	11	200	90			travis.casey@terracon.com	
Reling	hished by (Sig	nature //	7		Date:	Time:	Received b	v (Signa	ature)			Date:		ime:					mike.adams@terracon.com	
C	ndr i	HXX	7		Date: 7.2.24	2.54	Ples	0	7:6	anla		Date:	24 L	00	00				beckysue.miller@terracon.com	
TEMP	OF COOLER								·				-						gus.sanchez@terracon.com	
A CONTRACTOR OF THE PARTY OF TH	RECEIVED (or	C)													_				chuck.smith@terracon.com	
Matrix		WW-Waste	ewate	W-	- Water S - Soi	L - Liquid	A - Air Bag	C - Ch	arcoa	l tube	SL - S	ludge			-			_		
Contai	ner	VOA - 40 m	nl vial A	/G - A	Amber © 250 ml = 0															
						v. v. v	2000	110V BURES		Sz. cs.	usen a Y		E (600	1962			25.720	BUDG TERROTONIS		
						Lubbock Of	fice m 582	27 50th	Stre	et, St	rite 1	m Lub	bock.	, Te	xas	7942	24 m 806-3	00-0140		

Printed: 7/3/2024 2:19:52PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Terracon	Date Received:	07/03/24	10:00	Work Order ID:	E407015
Phone:	(806) 544-9276	Date Logged In:	07/02/24	15:33	Logged In By:	Alexa Michaels
Email:		Due Date:		17:00 (4 day TAT)	Bogged in By.	Tiona Michaels
Chain of	Custody (COC)					
	he sample ID match the COC?	h the COC	Yes			
	he number of samples per sampling site location mate	n the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	Couier	
	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes			
5. Were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes	·	<u>Comme</u>	nts/Resolution
	Furn Around Time (TAT)				Leak #149 has been se	marated into multiple
	e COC indicate standard TAT, or Expedited TAT?		Yes			•
Sample (WO due to high sample	
	sample cooler received?		Yes		as follows:E407012, E	E407013, E407014,
• .	was cooler received in good condition?		Yes		and E407015.	
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	, were custody/security seals intact?		NA			
	ne sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes			
13. If no	visible ice, record the temperature. Actual sample t	emperature: 4°0	<u>C</u>			
	Container queous VOC samples present?		No			
	/OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containers?	una aallaatad?	Yes			
		as conected?	168			
	field sample labels filled out with the minimum infor	mation:				
	ample ID?		Yes			
	Oate/Time Collected? Collectors name?		Yes			
_	Preservation		Yes			
	the COC or field labels indicate the samples were pre	served?	No			
	ample(s) correctly preserved?	servea.	NA			
	filteration required and/or requested for dissolved me	etals?	No			
	•		140			
-	ase Sample Matrix	-9	• •			
	the sample have more than one phase, i.e., multiphase		No			
27. If yes	s, does the COC specify which phase(s) is to be analyz	red?	NA			
Subcont	ract Laboratory					
	amples required to get sent to a subcontract laboratory		No			
29. Was a	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: NA	
Client I	nstruction					
Signa	ture of client authorizing changes to the COC or sample dispo	osition.			Date	– 🏉 envirotech I

Report to:

Joseph Guesnier







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Terracon

Project Name: Leak #149

Work Order: E407239

Job Number: 21102-0001

Received: 7/30/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 8/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/19/24

Joseph Guesnier 4518 W. Pierce St Carlsbad, NM 87401

Project Name: Leak #149 Workorder: E407239

Date Received: 7/30/2024 8:30:00AM

Joseph Guesnier,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/30/2024 8:30:00AM, under the Project Name: Leak #149.

The analytical test results summarized in this report with the Project Name: Leak #149 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Sample Summary

Terracon	Project Name:	Leak #149	Donoutoda
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	08/19/24 10:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS 07 8-8	E407239-01A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
FS-11 8-8	E407239-02A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
FS 14 8-8	E407239-03A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
FS 19 5-5	E407239-04A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
FS 23 5-5	E407239-05A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
FS 24 5-5	E407239-06A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
FS 25 5-5	E407239-07A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
FS 63 9-9	E407239-08A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
FS 68 14-14	E407239-09A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
FS 70 17-17	E407239-10A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
FS 73 18-18	E407239-11A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
FS 76 17-17	E407239-12A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
FS 79 20-20	E407239-13A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
FS 82 20-20	E407239-14A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
FS 86 17-17	E407239-15A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
FS 90 9-9	E407239-16A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
W-SW-01 4-8	E407239-17A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
W-SW-01 8-16	E407239-18A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
N-SW-01 8-16	E407239-19A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
N-SW-04 8-16	E407239-20A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
S-SW-06 16-20	E407239-21A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
E-SW-04 0-4	E407239-22A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
E-SW-04 4-8	E407239-23A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.
E-SW-04 8-16	E407239-24A	Soil	07/25/24	07/30/24	Glass Jar, 4 oz.

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

FS 07 8-8 E407239-01

		2.0.20, 01					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2431051
Benzene	ND	0.0250		1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250		1	07/30/24	07/31/24	
Toluene	ND	0.0250		1	07/30/24	07/31/24	
o-Xylene	ND	0.0250		1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500		1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250		1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		98.7 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		108 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		98.7 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		108 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2431049
Diesel Range Organics (C10-C28)	42.3	25.0		1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/30/24	07/31/24	
Surrogate: n-Nonane		104 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2431059
Chloride	161	20.0		1	07/30/24	07/30/24	



 Terracon
 Project Name:
 Leak #149

 4518 W. Pierce St
 Project Number:
 21102-0001
 Reported:

 Carlsbad NM, 87401
 Project Manager:
 Joseph Guesnier
 8/19/2024 10:53:16AM

FS-11 8-8 E407239-02

		E407237-02					
Anglista	Result	Reporting Limit		ution	Duomonod	Amalyzad	Notes
Analyte	Result	Limit	Dili	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2431051
Benzene	ND	0.0250		1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250		1	07/30/24	07/31/24	
Toluene	ND	0.0250		1	07/30/24	07/31/24	
o-Xylene	ND	0.0250		1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500		1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250		1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2431049
Diesel Range Organics (C10-C28)	35.9	25.0		1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/30/24	07/31/24	
Surrogate: n-Nonane		95.6 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2431059
Chloride	907	20.0		1	07/30/24	07/30/24	



 Terracon
 Project Name:
 Leak #149

 4518 W. Pierce St
 Project Number:
 21102-0001
 Reported:

 Carlsbad NM, 87401
 Project Manager:
 Joseph Guesnier
 8/19/2024 10:53:16AM

FS 14 8-8 E407239-03

		E407237-03					
Andre	D14	Reporting Limit	Dilut	٠ D.	1	A	Notes
Analyte	Result	Limit	Dilut	tion Pr	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2431051
Benzene	ND	0.0250	1	07	7/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07	7/30/24	07/31/24	
Toluene	ND	0.0250	1	07	7/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07	7/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07	7/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07	7/30/24	07/31/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130	07	7/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	07	7/30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130	07	7/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07	7/30/24	07/31/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130	07	7/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	07	7/30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130	07	7/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2431049
Diesel Range Organics (C10-C28)	105	25.0	1	07	7/30/24	07/31/24	_
Oil Range Organics (C28-C36)	64.0	50.0	1	07	7/30/24	07/31/24	
Surrogate: n-Nonane		99.4 %	50-200	07	7/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT			Batch: 2431059
Chloride	975	20.0	1	07	7/30/24	07/30/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

FS 19 5-5 E407239-04

Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2431051
Benzene	ND	0.0250	1	07/30/24	07/31/24	Buten: 2 15 1 05 1
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		95.5 %	70-130	07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	07/30/24	07/31/24	
Surrogate: Toluene-d8		104 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		95.5 %	70-130	07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	07/30/24	07/31/24	
Surrogate: Toluene-d8		104 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2431049
Diesel Range Organics (C10-C28)	26.0	25.0	1	07/30/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	08/01/24	
Surrogate: n-Nonane		97.8 %	50-200	07/30/24	08/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	.nalyst: DT		Batch: 2431059
Chloride	209	20.0	1	07/30/24	07/30/24	

 Terracon
 Project Name:
 Leak #149

 4518 W. Pierce St
 Project Number:
 21102-0001
 Reported:

 Carlsbad NM, 87401
 Project Manager:
 Joseph Guesnier
 8/19/2024 10:53:16AM

FS 23 5-5 E407239-05

	_	Reporting	_				
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2431051
Benzene	ND	0.0250		1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250		1	07/30/24	07/31/24	
Toluene	ND	0.0250		1	07/30/24	07/31/24	
o-Xylene	ND	0.0250		1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500		1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250		1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		98.0 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		98.0 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2431049
Diesel Range Organics (C10-C28)	ND	25.0		1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/30/24	07/31/24	
Surrogate: n-Nonane		105 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2431059
Chloride	606	20.0		1	07/30/24	07/30/24	

 Terracon
 Project Name:
 Leak #149

 4518 W. Pierce St
 Project Number:
 21102-0001
 Reported:

 Carlsbad NM, 87401
 Project Manager:
 Joseph Guesnier
 8/19/2024 10:53:16AM

FS 24 5-5 E407239-06

		E407237-00				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Diluti	ion rrepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2431051
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		98.0 %	70-130	07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	07/30/24	07/31/24	
Surrogate: Toluene-d8		107 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		98.0 %	70-130	07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	07/30/24	07/31/24	
Surrogate: Toluene-d8		107 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2431049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	08/01/24	
Surrogate: n-Nonane		97.7 %	50-200	07/30/24	08/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2431059
	679	•		07/30/24	07/30/24	•



 Terracon
 Project Name:
 Leak #149

 4518 W. Pierce St
 Project Number:
 21102-0001
 Reported:

 Carlsbad NM, 87401
 Project Manager:
 Joseph Guesnier
 8/19/2024 10:53:16AM

FS 25 5-5 E407239-07

		E-107237-07					
Analyte	Result	Reporting Limit	Dilu	tion Dr	repared	Analyzed	Notes
Analyte	Result	Limit	Dilu	tion F1	ерагец	Allalyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY			Batch: 2431051
Benzene	ND	0.0250	1	07	7/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07	//30/24	07/31/24	
Toluene	ND	0.0250	1	07	//30/24	07/31/24	
o-Xylene	ND	0.0250	1	07	//30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07	//30/24	07/31/24	
Total Xylenes	ND	0.0250	1	. 07	//30/24	07/31/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130	07	7/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	07	7/30/24	07/31/24	
Surrogate: Toluene-d8		107 %	70-130	07	7/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07	7/30/24	07/31/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130	07	7/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	07	7/30/24	07/31/24	
Surrogate: Toluene-d8		107 %	70-130	07	7/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: KM			Batch: 2431049
Diesel Range Organics (C10-C28)	49.0	25.0	1	07	7/30/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07	7/30/24	08/01/24	
Surrogate: n-Nonane		99.2 %	50-200	07	7/30/24	08/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT			Batch: 2431059
Chloride	301	20.0	1	07	//30/24	07/30/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

FS 63 9-9 E407239-08

Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst:		1 mary 200	Batch: 2431051
Volatile Organic Compounds by EPA 8260B Benzene	ND	0.0250		1	07/30/24	07/31/24	Batch: 2431031
Ethylbenzene	ND	0.0250		1	07/30/24	07/31/24	
Toluene	ND	0.0250		1	07/30/24	07/31/24	
o-Xylene	ND	0.0250		1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500		1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250		1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		99.4 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		104 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		99.4 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		104 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2431049
Diesel Range Organics (C10-C28)	108	50.0		2	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	100		2	07/30/24	07/31/24	
Surrogate: n-Nonane		103 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2431059
Chloride	ND	20.0		1	07/30/24	07/30/24	

 Terracon
 Project Name:
 Leak #149

 4518 W. Pierce St
 Project Number:
 21102-0001
 Reported:

 Carlsbad NM, 87401
 Project Manager:
 Joseph Guesnier
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FS 68 14-14 E407239-09

Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2431051
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	07/30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	07/30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: KM		Batch: 2431049
Diesel Range Organics (C10-C28)	67.8	25.0	1	07/30/24	08/01/24	-
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	08/01/24	
Surrogate: n-Nonane		102 %	50-200	07/30/24	08/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: DT		Batch: 2431059
Chloride	101	20.0	1	07/30/24	07/30/24	



 Terracon
 Project Name:
 Leak #149

 4518 W. Pierce St
 Project Number:
 21102-0001
 Reported:

 Carlsbad NM, 87401
 Project Manager:
 Joseph Guesnier
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FS 70 17-17 E407239-10

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2431051
Benzene	ND	0.0250	1	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		96.6 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		96.6 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2431119
Diesel Range Organics (C10-C28)	671	125	5	5	07/30/24	08/02/24	
Oil Range Organics (C28-C36)	ND	250	5	5	07/30/24	08/02/24	
Surrogate: n-Nonane		100 %	50-200		07/30/24	08/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2431059
Chloride	69.9	20.0	1	1	07/30/24	07/30/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

FS 73 18-18 E407239-11

		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2431051
Benzene	ND	0.0250	1	0	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	0	7/30/24	07/31/24	
Toluene	ND	0.0250	1	0	7/30/24	07/31/24	
o-Xylene	ND	0.0250	1	0	7/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	0	7/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	0	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130	0	07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	0	07/30/24	07/31/24	
Surrogate: Toluene-d8		103 %	70-130	0	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: IY			Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0	1	0	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130	0	07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	0	07/30/24	07/31/24	
Surrogate: Toluene-d8		103 %	70-130	0	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2431049
Diesel Range Organics (C10-C28)	773	125	5	0	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	368	250	5	0	07/30/24	07/31/24	
Surrogate: n-Nonane		105 %	50-200	0	07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT			Batch: 2431059
Allions by ETA 500.0/3030A		1119/119					

 Terracon
 Project Name:
 Leak #149

 4518 W. Pierce St
 Project Number:
 21102-0001
 Reported:

 Carlsbad NM, 87401
 Project Manager:
 Joseph Guesnier
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FS 76 17-17 E407239-12

		E407257 12				
Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
Analyte	Kesuit	Lillit	Diluti	on Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2431051
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130	07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	07/30/24	07/31/24	
Surrogate: Toluene-d8		104 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130	07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	07/30/24	07/31/24	
Surrogate: Toluene-d8		104 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2431049
Diesel Range Organics (C10-C28)	200	50.0	2	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	100	2	07/30/24	07/31/24	
Surrogate: n-Nonane		101 %	50-200	07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2431059
Chloride	545	20.0	1	07/30/24	07/30/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

FS 79 20-20 E407239-13

		2.0.20, 10					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst		1 mary 2ea	Batch: 2431051
Volatile Organic Compounds by EPA 8260B Benzene	ND	0.0250		1	07/30/24	07/31/24	Batch: 2431031
Ethylbenzene	ND	0.0250		1	07/30/24	07/31/24	
Toluene	ND	0.0250		1	07/30/24	07/31/24	
o-Xylene	ND	0.0250		1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500		1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250		1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		105 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		105 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2431049
Diesel Range Organics (C10-C28)	687	125		5	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	438	250		5	07/30/24	07/31/24	
Surrogate: n-Nonane		153 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2431059
Chloride	469	20.0		1	07/30/24	07/30/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

FS 82 20-20 E407239-14

		2.0.20711					
Analyta	Result	Reporting Limit		lution	Duomonod	Analyzed	Notes
Analyte	Kesuit	Limit	Dil	iuiion	Prepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2431051
Benzene	ND	0.0250		1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250		1	07/30/24	07/31/24	
Toluene	ND	0.0250		1	07/30/24	07/31/24	
o-Xylene	ND	0.0250		1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500		1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250		1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		98.7 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		105 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		98.7 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		105 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2431049
Diesel Range Organics (C10-C28)	51.0	25.0		1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/30/24	07/31/24	
Surrogate: n-Nonane		104 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2431059
Chloride	160	20.0		1	07/30/24	07/31/24	
Cinoriae		20.0					



 Terracon
 Project Name:
 Leak #149

 4518 W. Pierce St
 Project Number:
 21102-0001
 Reported:

 Carlsbad NM, 87401
 Project Manager:
 Joseph Guesnier
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FS 86 17-17 E407239-15

Analyte	Result	Reporting Limit	Dilut	tion D	pared	Analyzed	Notes
Anaryte	Resuit	Limit	Dilut	uon Pre	pared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2431051
Benzene	ND	0.0250	1	07/	30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/	30/24	07/31/24	
Toluene	ND	0.0250	1	07/	30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/	30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/	30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/	30/24	07/31/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130	07/	30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	07/	30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130	07/	30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/	30/24	07/31/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130	07/	30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	07/	30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130	07/	30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2431049
Diesel Range Organics (C10-C28)	82.2	50.0	2	07/	30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	100	2	07/	30/24	07/31/24	
Surrogate: n-Nonane		97.7 %	50-200	07/	30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT			Batch: 2431059
Chloride	101	20.0	1	07/	30/24	07/31/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

FS 90 9-9 E407239-16

		110/20/10				
Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
				1	2 mary 200	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		analyst: IY	07/21/24	Batch: 2431051
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130	07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	07/30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130	07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	07/30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2431049
Diesel Range Organics (C10-C28)	98.3	50.0	2	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	100	2	07/30/24	07/31/24	
Surrogate: n-Nonane		99.4 %	50-200	07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2431059
Chloride	23.1	20.0	1	07/30/24	07/31/24	

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

W-SW-01 4-8 E407239-17

Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2431051
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130	07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/30/24	07/31/24	
Surrogate: Toluene-d8		107 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130	07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/30/24	07/31/24	
Surrogate: Toluene-d8		107 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2431049
Diesel Range Organics (C10-C28)	28.9	25.0	1	07/30/24	07/31/24	-
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/31/24	
Surrogate: n-Nonane		94.5 %	50-200	07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2431059
Chloride	499	20.0	1	07/30/24	07/31/24	_



 Terracon
 Project Name:
 Leak #149

 4518 W. Pierce St
 Project Number:
 21102-0001
 Reported:

 Carlsbad NM, 87401
 Project Manager:
 Joseph Guesnier
 8/19/2024 10:53:16AM

W-SW-01 8-16 E407239-18

	_	Reporting	_				
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2431051
Benzene	ND	0.0250		1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250		1	07/30/24	07/31/24	
Toluene	ND	0.0250		1	07/30/24	07/31/24	
o-Xylene	ND	0.0250		1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500		1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250		1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		107 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		107 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2431049
Diesel Range Organics (C10-C28)	62.2	25.0		1	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0		1	07/30/24	07/31/24	
Surrogate: n-Nonane		93.9 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2431059
Chloride	679	20.0		1	07/30/24	07/31/24	

 Terracon
 Project Name:
 Leak #149

 4518 W. Pierce St
 Project Number:
 21102-0001
 Reported:

 Carlsbad NM, 87401
 Project Manager:
 Joseph Guesnier
 8/19/2024 10:53:16AM

N-SW-01 8-16 E407239-19

Analyte	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
Analyte	Resuit	Limit	וווונו	uon	rrepareu	Ananyzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2431051
Benzene	ND	0.0250	1		07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1		07/30/24	07/31/24	
Toluene	ND	0.0250	1		07/30/24	07/31/24	
o-Xylene	ND	0.0250	1		07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1		07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1		07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/30/24	07/31/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130		07/30/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		07/30/24	07/31/24	
Surrogate: Toluene-d8		106 %	70-130		07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KN	1		Batch: 2431049
Diesel Range Organics (C10-C28)	563	125	5	;	07/30/24	07/31/24	
Oil Range Organics (C28-C36)	329	250	5	i	07/30/24	07/31/24	
Surrogate: n-Nonane		92.9 %	50-200		07/30/24	07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT			Batch: 2431059
Chloride	2500	40.0	2	,	07/30/24	07/31/24	



 Terracon
 Project Name:
 Leak #149

 4518 W. Pierce St
 Project Number:
 21102-0001
 Reported:

 Carlsbad NM, 87401
 Project Manager:
 Joseph Guesnier
 8/19/2024 10:53:16AM

N-SW-04 8-16 E407239-20

Analyte	Result	Reporting Limit	Dilut	ion Prepa	red Analyzed	Notes
Analyte	Resuit	Limit	Dilui	ion Prepa	red Anaryzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2431051
Benzene	ND	0.0250	1	07/30	/24 07/31/24	
Ethylbenzene	ND	0.0250	1	07/30	/24 07/31/24	
Toluene	ND	0.0250	1	07/30	/24 07/31/24	
o-Xylene	ND	0.0250	1	07/30	/24 07/31/24	
p,m-Xylene	ND	0.0500	1	07/30	/24 07/31/24	
Total Xylenes	ND	0.0250	1	07/30	/24 07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/30	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	07/30	07/31/24	
Surrogate: Toluene-d8		106 %	70-130	07/30	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2431051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30	/24 07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/30	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	07/30	/24 07/31/24	
Surrogate: Toluene-d8		106 %	70-130	07/30	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2431049
Diesel Range Organics (C10-C28)	564	125	5	07/30	/24 07/31/24	
Oil Range Organics (C28-C36)	ND	250	5	07/30	/24 07/31/24	
Surrogate: n-Nonane		97.5 %	50-200	07/30	/24 07/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: DT		Batch: 2431059
Chloride	276	20.0	1	07/30	/24 07/31/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

S-SW-06 16-20

E407239-21

		Domontino				
Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2431040
Benzene	ND	0.0250	1	07/30/24	07/30/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/30/24	
Toluene	ND	0.0250	1	07/30/24	07/30/24	
o-Xylene	ND	0.0250	1	07/30/24	07/30/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/30/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/30/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	07/30/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2431040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	07/30/24	07/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2431047
Diesel Range Organics (C10-C28)	145	125	5	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	ND	250	5	07/30/24	07/30/24	
Surrogate: n-Nonane		96.3 %	50-200	07/30/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: JM		Batch: 2431044
Chloride	579	20.0	1	07/30/24	07/31/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

E-SW-04 0-4

		E407239-22				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2431040
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2431040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2431047
Diesel Range Organics (C10-C28)	64.7	25.0	1	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/24	07/30/24	
Surrogate: n-Nonane		89.9 %	50-200	07/30/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: JM		Batch: 2431044
Chloride	ND	20.0	1	07/30/24	07/31/24	·



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

E-SW-04 4-8 E407239-23

		E40/239-23				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Tildiye	resuit	Emit	Bitution	Trepared	7 Hary Zea	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2431040
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2431040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2431047
Diesel Range Organics (C10-C28)	283	50.0	2	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	234	100	2	07/30/24	07/30/24	
Surrogate: n-Nonane		96.4 %	50-200	07/30/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: JM		Batch: 2431044
Chloride	51.4	20.0	1	07/30/24	07/31/24	



Sample Data

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

E-SW-04 8-16

		E407239-24				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2431040
Benzene	ND	0.0250	1	07/30/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/30/24	07/31/24	
Toluene	ND	0.0250	1	07/30/24	07/31/24	
o-Xylene	ND	0.0250	1	07/30/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/30/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/30/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2431040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	07/30/24	07/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2431047
Diesel Range Organics (C10-C28)	850	50.0	2	07/30/24	07/30/24	
Oil Range Organics (C28-C36)	397	100	2	07/30/24	07/30/24	
Surrogate: n-Nonane		92.8 %	50-200	07/30/24	07/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2431044
Chloride	36.8	20.0	1	07/30/24	07/31/24	



Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Joseph Guesnier 8/19/2024 10:53:16AM **Volatile Organic Compounds by EPA 8260B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Prepared: 07/30/24 Analyzed: 07/31/24 Blank (2431051-BLK1) ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.489 0.500 97.7 70-130 Surrogate: 1,2-Dichloroethane-d4 0.475 0.500 94.9 70-130 0.500 107 70-130 Surrogate: Toluene-d8 0.533 LCS (2431051-BS1) Prepared: 07/30/24 Analyzed: 07/31/24 2.28 0.0250 2.50 91.0 70-130 Benzene 2.38 2.50 70-130 95.4 Ethylbenzene 0.0250 2.38 0.0250 2.50 95.3 70-130 2.34 93.6 70-130 0.0250 2.50 o-Xylene 4.70 5.00 93.9 70-130 p,m-Xylene 0.0500 7.04 0.0250 7.50 93.8 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.492 0.500 98.4 70-130 0.500 98.5 70-130 Surrogate: 1,2-Dichloroethane-d4 0.493 70-130 Surrogate: Toluene-d8 0.525 0.500 Matrix Spike (2431051-MS1) Source: E407239-07 Prepared: 07/30/24 Analyzed: 07/31/24 2.32 0.0250 2.50 ND 92.9 48-131 45-135 Ethylbenzene 2.43 0.0250 2.50 ND 97.2 48-130 Toluene 2.43 0.0250 2.50 ND 97.1 2.28 0.0250 2.50 ND 91.0 43-135 o-Xylene ND 91.6 43-135 p,m-Xylene 4.58 0.0500 5.00 Total Xylenes 6.85 0.0250 7.50 ND 91.4 43-135 95.1 0.476 0.500 70-130 Surrogate: Bromofluorobenzene 0.498 0.500 99.6 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.520 Surrogate: Toluene-d8 Matrix Spike Dup (2431051-MSD1) Source: E407239-07 Prepared: 07/30/24 Analyzed: 07/31/24 2.29 0.0250 2.50 ND 91.4 48-131 1.54 23 0.0250 2.50 ND 95.8 45-135 1.47 27 Ethylbenzene ND 48-130 1.58 24 2.39 2.50 95.6 Toluene 0.0250 o-Xylene 2.29 0.0250 2.50 ND 91.5 43-135 0.504 27 5.00 ND 92.4 43-135 0.870 27 4.62 p,m-Xylene 0.0500



27

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

6.91

0.492

0.491

0.526

0.0250

7.50

0.500

0.500

0.500

ND

92.1

98.4

98.1

105

43-135

70-130

70-130

70-130

0.749

Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Joseph Guesnier 8/19/2024 10:53:16AM **Volatile Organics by EPA 8021B** Analyst: CG Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2431040-BLK1) Prepared: 07/30/24 Analyzed: 07/30/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.84 8.00 98.0 70-130 LCS (2431040-BS1) Prepared: 07/30/24 Analyzed: 07/30/24 4.99 99.7 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.00 0.0250 5.00 100 70-130 5.04 0.0250 5.00 101 70-130 Toluene o-Xylene 4.99 0.0250 5.00 99.8 70-130 10.2 10.0 102 70-130 0.0500 p.m-Xvlene 101 70-130 15.2 15.0 Total Xylenes 0.0250 8.00 98.3 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.87 Matrix Spike (2431040-MS1) Source: E407235-05 Prepared: 07/30/24 Analyzed: 07/30/24 4.85 0.0250 5.00 ND 96.9 54-133 Benzene ND 97.4 61-133 Ethylbenzene 4.87 0.0250 5.00 Toluene 4.91 0.0250 5.00 ND 98.2 61-130 4.87 ND 97.4 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.94 0.0500 10.0 ND 99.4 63-131 14.8 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.93 8.00 Matrix Spike Dup (2431040-MSD1) Source: E407235-05 Prepared: 07/30/24 Analyzed: 07/30/24 5.10 0.0250 5.00 ND 102 54-133 5.14 ND 61-133 5.02 5.12 0.0250 5.00 102 20 Ethylbenzene 61-130 Toluene 5.16 0.0250 5.00 ND 103 4 98 20 5.12 5.00 ND 102 63-131 5.01 20 o-Xylene 0.0250 10.4 10.0 ND 104 63-131 4.86 20 p,m-Xylene 0.0500 Total Xylenes 15.6 0.0250 15.0 ND 104 63-131 4.91 20

8.00

97.8

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.82

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

Carlsbad NM, 87401		Project Manage	r: Jos	seph Guesnie	r			8/	/19/2024 10:53:16AN
	Non	halogenated		Analyst: CG					
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2431040-BLK1)							Prepared: 0	7/30/24 An	alyzed: 07/30/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			
LCS (2431040-BS2)							Prepared: 0	7/30/24 An	alyzed: 07/30/24
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			
Matrix Spike (2431040-MS2)				Source:	E407235-	05	Prepared: 0	7/30/24 An	alyzed: 07/30/24
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0	ND	87.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.8	70-130			
Matrix Spike Dup (2431040-MSD2)				Source:	E407235-	05	Prepared: 0	7/30/24 An	alyzed: 07/30/24
Gasoline Range Organics (C6-C10)	42.7	20.0	50.0	ND	85.4	70-130	2.47	20	

8.00

96.5

70-130

7.72

TerraconProject Name:Leak #149Reported:4518 W. Pierce StProject Number:21102-0001Carlsbad NM, 87401Project Manager:Joseph Guesnier8/19/2024 10:53:16AM

Nonhalogenated Organics	s by EPA 8015D - GRO
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Anal	

Analyte Ro		orting Spike mit Level	Source Resul		Rec Limits	RPD	RPD Limit	
m	g/kg mg	g/kg mg/kg	mg/kg	%	%	%	%	Notes

mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
				, 0	70	70	70	Notes
						Prepared: 0'	7/30/24 Aı	nalyzed: 07/31/24
ND	20.0							
0.489		0.500		97.7	70-130			
0.475		0.500		94.9	70-130			
0.533		0.500		107	70-130			
						Prepared: 0'	7/30/24 Aı	nalyzed: 07/31/24
53.2	20.0	50.0	·	106	70-130		·	·
0.499		0.500		99.7	70-130			
0.479		0.500		95.8	70-130			
0.535		0.500		107	70-130			
			Source:	E407239-	07	Prepared: 0'	7/30/24 Aı	nalyzed: 07/31/24
55.3	20.0	50.0	ND	111	70-130			
0.508		0.500		102	70-130			
0.464		0.500		92.8	70-130			
0.519		0.500		104	70-130			
			Source:	E407239-0	07	Prepared: 0	7/30/24 Aı	nalyzed: 07/31/24
54.5	20.0	50.0	ND	109	70-130	1.49	20	
0.494		0.500		98.8	70-130			
		0.500		99.3	70-130			
0.497		0.500		99.3	70-130			
	0.489 0.475 0.533 53.2 0.499 0.479 0.535 55.3 0.508 0.464 0.519	0.489 0.475 0.533 53.2 20.0 0.499 0.479 0.535 55.3 20.0 0.508 0.464 0.519	0.489 0.500 0.475 0.500 0.533 0.500 53.2 20.0 50.0 0.499 0.500 0.479 0.500 0.535 0.500 55.3 20.0 50.0 0.508 0.500 0.464 0.500 0.519 0.500 54.5 20.0 50.0 0.494 0.500	0.489	0.489 0.500 97.7 0.475 0.500 94.9 0.533 0.500 107 53.2 20.0 50.0 106 0.499 0.500 99.7 0.479 0.500 95.8 0.535 0.500 107 Source: E407239-0 55.3 20.0 50.0 ND 111 0.508 0.500 92.8 0.464 0.500 92.8 0.519 0.500 104 Source: E407239-0 54.5 20.0 50.0 ND 109 0.494 0.500 98.8	0.489 0.500 97.7 70-130 0.475 0.500 94.9 70-130 0.533 0.500 107 70-130 53.2 20.0 50.0 106 70-130 0.499 0.500 99.7 70-130 0.479 0.500 95.8 70-130 0.535 0.500 107 70-130 Source: E407239-07 55.3 20.0 50.0 ND 111 70-130 0.508 0.500 102 70-130 0.464 0.500 92.8 70-130 0.519 0.500 104 70-130 Source: E407239-07 54.5 20.0 50.0 ND 109 70-130 0.494 0.500 98.8 70-130	ND 20.0 0.489	0.489



TerraconProject Name:Leak #149Reported:4518 W. Pierce StProject Number:21102-0001Carlsbad NM, 87401Project Manager:Joseph Guesnier8/19/2024 10:53:16AM

Carlsbad NM, 87401		Project Manage	r: Jos	seph Guesnie	r			8	3/19/2024 10:53:16Al
	Nonhal	logenated Or	Analyst: NV						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2431047-BLK1)							Prepared: 0	7/30/24 Ar	nalyzed: 07/30/24
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	44.5		50.0		89.0	50-200			
.CS (2431047-BS1)							Prepared: 0	7/30/24 Ar	nalyzed: 07/30/24
riesel Range Organics (C10-C28)	246	25.0	250		98.4	38-132			
urrogate: n-Nonane	47.5		50.0		94.9	50-200			
Matrix Spike (2431047-MS1)				Source:	E407239-2	21	Prepared: 0	7/30/24 Ar	nalyzed: 07/30/24
riesel Range Organics (C10-C28)	453	125	250	145	123	38-132			
urrogate: n-Nonane	47.9		50.0		95.8	50-200			
Matrix Spike Dup (2431047-MSD1)				Source:	E407239-2	21	Prepared: 0	7/30/24 Ar	nalyzed: 07/30/24
tiesel Range Organics (C10-C28)	380	125	250	145	93.9	38-132	17.6	20	
urrogate: n-Nonane	45.9		50.0		91.7	50-200			



Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

Carlsbad NM, 87401		Project Manage	r: Jo	seph Guesnie	r			8	/19/2024 10:53:16AN
	Nonhal	logenated Or	ganics by	EPA 8015I) - DRO			Analyst: KM	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2431049-BLK1)							Prepared: 0	7/30/24 An	alyzed: 07/30/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.7		50.0		105	50-200			
LCS (2431049-BS1)							Prepared: 0	7/30/24 An	alyzed: 07/30/24
Diesel Range Organics (C10-C28)	248	25.0	250		99.2	38-132			
Surrogate: n-Nonane	51.6		50.0		103	50-200			
Matrix Spike (2431049-MS1)				Source:	E407239-	07	Prepared: 0	7/30/24 An	alyzed: 08/01/24
Diesel Range Organics (C10-C28)	290	25.0	250	49.0	96.5	38-132			
Surrogate: n-Nonane	56.0		50.0		112	50-200			
Matrix Spike Dup (2431049-MSD1)				Source:	E407239-	07	Prepared: 0	7/30/24 An	alyzed: 08/01/24
Diesel Range Organics (C10-C28)	302	25.0	250	49.0	101	38-132	4.10	20	
Gurrogate: n-Nonane	51.5		50.0		103	50-200			



Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	•
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

Carlsbad NM, 87401		Project Manage	r: Jos	seph Guesnie	r			8/	19/2024 10:53:16AM
	Nonha	Analyst: KM							
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
									11000
Blank (2431119-BLK1)							Prepared: 0	8/01/24 Ana	lyzed: 08/01/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.2		50.0		108	50-200			
LCS (2431119-BS1)							Prepared: 0	8/01/24 Ana	lyzed: 08/02/24
Diesel Range Organics (C10-C28)	237	25.0	250		94.6	38-132			
Surrogate: n-Nonane	53.4		50.0		107	50-200			
LCS Dup (2431119-BSD1)							Prepared: 0	8/01/24 Ana	lyzed: 08/02/24
Diesel Range Organics (C10-C28)	238	25.0	250		95.4	38-132	0.769	20	-
Surrogate: n-Nonane	53.2		50.0		106	50-200			

Terracon 4518 W. Pierce St	Project Name: Project Number:	Leak #149 21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	8/19/2024 10:53:16AM

Carlsbad NM, 87401		Project Manager	r: Jo	seph Guesniei	r				8/19/2024 10:53:16AM
		Anions	by EPA 3	00.0/9056 <i>A</i>	1				Analyst: JM
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2431044-BLK1)							Prepared: 0	7/30/24 Ar	nalyzed: 07/30/24
Chloride LCS (2431044-BS1)	ND	20.0					Prepared: 0	7/30/24 Ar	nalyzed: 07/30/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2431044-MS1)				Source:	E407235-	05	Prepared: 0	7/30/24 Ar	nalyzed: 07/30/24
Chloride	292	20.0	250	38.7	101	80-120			
Matrix Spike Dup (2431044-MSD1)				Source:	E407235-	05	Prepared: 0	7/30/24 Ar	nalyzed: 07/30/24
Chloride	292	20.0	250	38.7	101	80-120	0.0791	20	



QC Summary Data

Terracon 4518 W. Pierce St		Project Name: Project Number:		eak #149 1102-0001					Reported:
Carlsbad NM, 87401		Project Manager		oseph Guesnier					8/19/2024 10:53:16AM
		Anions	by EPA	300.0/9056A					Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2431059-BLK1)							Prepared: 0	7/30/24 A	nalyzed: 07/30/24
Chloride	ND	20.0							
LCS (2431059-BS1)							Prepared: 0	7/30/24 A	nalyzed: 07/30/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2431059-MS1)				Source: 1	E407239-	07	Prepared: 0	7/30/24 A	nalyzed: 07/30/24
Chloride	574	20.0	250	301	109	80-120			
Matrix Spike Dup (2431059-MSD1)				Source: 1	E407239-	07	Prepared: 0	7/30/24 A	nalyzed: 07/30/24
Chloride	556	20.0	250	301	102	80-120	3.21	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

ſ	Terracon	Project Name:	Leak #149	
١	4518 W. Pierce St	Project Number:	21102-0001	Reported:
١	Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	08/19/24 10:53

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Received by OCD: 11/1/2024 10:22:52 AM

			77.0					LAB USE ONLYDUE DATE:
Project Manager Jos	Explore with us serce St Carlsbad NM, 88220 seph Guesnier sus Sanchez	Address: Phone: Contact: SRS #: Sampler's Signature			Method 300)	TPH Extended 8015	SIS REQUEST	WO: E407239 JOB# 21102-0001
Project Number	Project Name Leak #14	19	No. Ty	pe of Containers		Extended 8		
The second secon	Identifying Marks of Sam	Start Depth End	Depth 4 oz Glass	2 oz Glass 250 ml Poly	Chloride (EPA	TPH Ext		Lab Sample ID
5 7/25/2024 11:21 X 5 7/25/2024 11:19 X	F5-10 F5 07		8 X		X	XX		
7/25/2024 11:18 X	F5-10 -511 95	8 8			X	X X		3
5 7/25/2024 11:31 X	FS 19	9.21	L X		X	XX		1 4
5 7/25/2024 11:33 X	FS 23	99 -	45 X		X	XX		3
7/25/2024 11:35 X	F5 24	90.	-5 X		X	X X		6
7/25/2024 11:36 X	FS 25	22	-3 ×		X	XX		
7/25/2024 12:00 X	FS 63	9 9			X	XX		
7/25/2024 11028 X	FS 68	14 1			X	X X		- G
7/25/2024 11:30 X	FS 70	17 1			X	X X		(0
7/25/2024 11:32 X	FS 73	18 1			X	X X		N. C.
7/25/2024 11:35 X	FS 76 FS 79	17 1			X	XX		12
7/25/2024 11:36 X 7/25/2024 12:20 X	FS 82	20 2			X	X X		13
5 7/25/2024 12:20 X 5 7/25/2024 12:28 X	FS 86	17 1			X	XX		14
7/25/2024 12:30 X	FS 90	9 9	-		x	XX		
/ //25/2024 A250 A	,338					^ ^		19
							1 1	
TANDA CONTROL TIME	Normal 48-Hour Rush 24-H	tour Rush TRI	PR Laborat	ory Review Che	ablica	0	Yes No	
TURNAROUND TIME	Date: Time:				Time		Ho.	
telinquished by (Signature)	7-29-20 11:40	Regeived by tisignatur	angale				E COSCO	
At al					111	10 Ta		e-mail results to:
lelinguished by (Signature)	Date: 7-2924 Time: 1700	Received by (Signatur	e)	Date:	Time	Z AL	t: Amber Grove	
1 (12)		(A: V.		7.29.2		000		travis.casey@terracon.com
telinguished by (Signature)	129.24 Time: 7145	Received by (Signatur	e)	Date:	Time			mike.adams@terracon.com
A.M.	129.24 2145	7	7	7-30-24	083	0		beckysue.miller@terracon.com
TEMP OF COOLER								gus.sanchez@terracon.com
WHEN RECEIVED (oC)	1			San Death St.				chuck.smith@terracon.com
Matrix WW-Wastewate	W - Water S - Soil L - Liquic A/G - Amber C 250 ml = Glass wide mo	A - Air Bag C - Charc	oal tube	SL - Sludge	9)			
Sometime? Total total					102-11		No. of the last of	
	Lubbock C	ffice w 5827 50th St	reet, Suit	te 1 w Lubbo	ck, Te	xas 79	424 = 806-3	300-0140

Page 299 of 453

								Town town												Page of d
	9		n Rose E	DE CHE			Laboratory								ANAI	YSIS	REQ	UEST		LAB USE ONLYDUE DATE:
Projec	Location ct Manager ller's Name	4520	Jo	seph	Explore with us e St Carlsbad NM, 8 Guesnier Sanchez		Address: Phone: Contact: SRS #: Sampler's S		re					Method 300)	8015	BTEX (EPA Method 80218)				WO: F407239 TOB # 21102-0001
Project	Number			T	Project Name					INO T	vne of	Contai	ners		led	Me	900			
	KH24	7005		182	roject runne	Leak #149				100	I PE O			e (E	Extended	PA				
Matrix	Date	Time	Сотр	Grab	Identifying	Marks of Samp	le(s)	Start	End	4 oz Glass	2 oz Glass	250 ml Poly		Chloride (EPA	TPH Ex					Lab Sample ID
S S S	7/25/2024	10:38	X			W-SW-01		4	8	X				X	X	X				13
5	7/25/2024	10:39	X			W-SW-01 N-SW-01		8	16 16	X				X	X	X				18
S	7/25/2024	10:52	X			N-SW-04		8	16	X				X	X	X				20
S	7/25/2024	10:55	X			S-SW-06		16	20	X				X	X	X				1
5	7/25/2024	12:12	X		E-SW-04 -	E-5W-03- #		0	8	X				X	X			500		2A 23
S	7/25/2024	12:40	X		E-5W-04	E-5W-01- 11		8	16	X				X	X	X			Z	24
						The Walter						1000								
																		-		
									and the same of											
																		0		
-	ROUND TIME		11	1	Normal A8-Hour		our Rush			Labora	itory R	Date:		Time		Bill			No	
Relinq	uished by (Sig	nature)	11	1	7-29-24	11:40	Regreived by	elle	()		Per	7:29	24	112	10	Targ		MILE		e-mail results to:
Palina	uiched by (Sie	nature	1 6	1	Date:	Time: 1700	Received by				- In	Date:		Time	_	DENG Y	Ambe	er Gro	oves	joseph.guesnier@terraconc.om
Keiinqi	wished by (Sie	ie Go	nga	les	Date: 7-2924	1700	1.1	1.				7.14	·W	12						travis.casey@terracon.com
Reling	Shed by (Sig	nature)	9		Date:	Time:	Received by	y (Signa	ture			Date:		Time						mike,adams@terracon.com
(1	M.		P. No.		7.29.14	Zi45	_ <	=)	7		7-30-	24	083	0				-	beckysue.miller@terracon.com
TEMP	OF COOLER		L	1																gus.sanchez@terracon.com
_	RECEIVED (or			•			A A1- 0	C C		Laub	CI C	ludas	1							chuck.smith@terracon.com
Matrix		WW-Waste	ewate	NIC	V - Water S - So - Amber C 250 ml =		A - Air Bag			tube	25-2	luage								
Contai	ner	VUA - 40 n	II VIAI	AJG	Amber C 250 ml =	The second second		19-20-0	1111	11300										
						Lubbock Of	fice = 582	7 50th	Stre	et, St	ite 1	n Lut	boc	k, Te	exas	794	24 ш	806	-300	-0140

			r	acon	Laboratory:								ANAI	YSIS REQUEST	Page _ (_ of
ffice	Location			Explore with us erce St Carlsbad NM, 88220	Address: Phone: Contact:							300)		Method 8021B)	WO: E407239
Proje	ct Manager		Jose	ph Guesnier	SRS #:							Po		8	
	ler's Name		G	us Sanchez	Sampler's S	ignatui	e		A MY			Method	8015	B	
				Tan and the second					2.7					th	
roject	Number KH24	7005		Project Name Lea	k #149			No. Ty	pe of	Contai		e (EPA	Extended		
Matrix	Date	Time	Comp	Identifying Marks of	Sample(s)	Start Depth	End Depth	4 oz Glass	2 oz Glass	250 ml Polv		Chloride (EPA	TPH Ex	втех (ера	Lab Sample ID
-	7/25/2024	11:21	X	FS 07		8	8	X				X	X	X	
-	7/25/2024	11:19	X	FS 11		8	8	Х				X	Χ	X	à
	7/25/2024	11:18	X	FS 14		8	8	X	-34			X	Χ	X	3
	7/25/2024	11:31	X	FS 19		4	4	X				X	X	X	9
	7/25/2024 7/25/2024	11:33 11:35	X	FS 23 FS 24		4	4	X		-	+	X	X	X	<u> </u>
	7/25/2024	11:36	X	FS 25		4	4	X			+	X	X		1
	7/25/2024	12:00	X	FS 63		9	9	X			11	X	X		Ž
	7/25/2024	11:28	X	FS 68		14	14	Х				Х	Χ	X	å
	7/25/2024	11:30	X	FS 70		17	17	X				X	X		10
	7/25/2024	11:32	X	FS 73		18	18	X			10	X	X		- II
	7/25/2024 7/25/2024	11:35 11:36	X	FS 76 FS 79	Annual Contract	17 20	20	X				X	X	X	12
	7/25/2024	12:20	X	FS 82		20	20	X				X		x	13
	7/25/2024	12:28	X	FS 86		17	17	X				X	X	X	14 15
	7/25/2024	12:30	X	FS 90		9	9	Х				Х	Х		16
												101			1
	200														
LIRNA	ROUND TIME			Normal [©] 48-Hour Rush	24-Hour Rush		TRRP	ahora	tory R	eview	Check	dist		□ Yes □ I	No.
	uished by (Sign			Date: 7-29-24 Time: 7-29-24						Date:		Time	:	Bill To: Targa	e-mail results to:
alidad	uich he he (Sign	Saural	6		Pacailed by	/Signa	turol	1	3	Date	1001	Time	10	Att: Amber Gro	Lead Control and C
A.A.	ished by (Sig	7000	rles	Date: 7-2924 170	Received by	Signa	turej			Date: 7.2	124	17	100	Att. Amber Gro	travis.casey@terracon.com
	uished by (Sigi				Received by	Signa	tural			Date:		Time			mike.adams@terracon.com
	M (Sigi	iaturej		Tra.zy Time:	1 Meceived by	(SIBITE	T			7-30	אנר	082	0		beckysue.miller@terracon.com
EMP	OF COOLER		/ 1	1201.04					444	ענייו	0,		_		gus.sanchez@terracon.com
	RECEIVED (oC	1	4										18.5		chuck.smith@terracon.com
/atrix		.) VW-Waste	ewate	W - Water S - Soil L - I	iquid A - Air Bag	C - Ch	arcoal	tube	SI - S	ludge					Chack.smith@terracon.com
ontai				/G - Amber @ 250 ml = Glass wid				tabe	JL-3	uuge					
Julia	iei \	OA - 40 II	ii viai A	G - Alliber C 250 IIII - Glass Wit	ie mour/o - riastit	or ou			_			100			

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	0.22:
	2:52

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Proje	Location ect Manager pler's Name		6 W. I	Pierc	Explore with us the St Carlsbad NM, 88220 th Guesnier Sanchez	Address: Phone: Contact: SRS #: Sampler's		re				Mothod 300)	lone po	19700	80218)	EQUES		WO: F407239
Projec	t Number				Project Name				No. T	vpe of	Containe		2 2 2 2	Sed 8	Metr			
	KH24	7005			Leak #1	49				, pe o		,	ם ב	en c	Y.			
Matrix	Date	Time	Comp	Grab	Identifying Marks of San	nple(s)	Start	End	4 oz Glass	2 oz Glass	250 ml Poly	Chloride (FDA		PH Extended	BIEX (EPA Method			Lab Sample ID
S S S S S S S S S S S S S S S S S S S	7/25/2024	10:38	X		W-SW-01		4	8	Х	10%		>			X			17
S	7/25/2024	10:39	X		W-SW-01 N-SW-01		8	16 16	X			\ \ \ \ \			X			18
2	7/25/2024 7/25/2024	10:46 10:52	X	-	N-SW-01 N-SW-04		8	16	X))			X	-	-	19
S	7/25/2024	10:55	X		S-SW-06		16	20	X	100		X			x —		1	20
S	7/25/2024	12:12	X		E-SW-01		0	4	X			×			X			22
S	7/25/2024	11:05	X		E-SW-01		4	8	X	1251		×			X	(23
S	7/25/2024	12:40	X		E-SW-01		8	16	X			×	()	x >	X		Jan Line	રૂપ
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		100) T						- 301			25		19	1		
										- 9/4								
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	or transport	-	100							1887			+	-		_	+	
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			A-16	7_		o lucy	ugle	40	wapa	ies			140		arga			e-mail results to:
Relino	wished by (Sig	nature)		9	8 7-29.24 Time: 1700	Received b	y (Signa	ture)	0		Date:	Tir	me:	A	tt: Ar	nber G	roves	ACCURATION OF THE PROPERTY OF
			ary n	44		C4.5	٦.				7.19.	WI	1.60	0				travis.casey@terracon.com
Reling	uished by (Sig	nature)			7.29.14 Time: 2145	Received b	y (Signa	ture	_		Date:		me:	7.5				mike.adams@terracon.com
CX	.H.		- 10		7.29.24 2145			>w/	7		7-30-2	4 0	330					beckysue.miller@terracon.com
111111111111111111111111111111111111111	OF COOLER		L	1														gus.sanchez@terracon.com
	RECEIVED (or			(M				chuck.smith@terracon.com
Matri					W - Water S - Soil L - Liqui				tube	SL - SI	ludge							P
Conta	iner	VOA - 40 r	nl vial	A/G	- Amber C 250 ml = Glass wide m	ou P/O - Plast	ic or ot	ner					-1					
					Lubbock (Office m 58:	27 50th	Stre	et. Su	ite 1	u Lubb	ock.	Texa	as 79	9424	80	06-30	00-0140

Printed: 7/30/2024 11:28:39AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Terracon	Date Received:	07/30/24	08:30	V	Work Order ID:	E407239
Phone:	(806) 544-9276	Date Logged In:	07/30/24	09:32	I	Logged In By:	Noe Soto
Email:	joseph.guesnier@terracon.com	Due Date:	08/05/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: Co	<u>ourier</u>		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes			Comments	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>			Γ			
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C				
Sample C		· · · · · · <u>—</u>	_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	•						
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		Yes				
	reservation						
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
28. Are sa	amples required to get sent to a subcontract laborato	ory?	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab:	NA		
Client Ir	nstruction_						

Date

						CH	IAIN	OF	cus	TODY	REC	ORI)			Page 1 of 2
		FIB	Bullion	MANE	Laboratory:							AI	IALYSI	S REQUI	EST	LAB USE ONLYDUE DATE:
ffice L	cation	4525	W Bien	Explore with us ce St Carlsbad NM, 88220	Address: Phone:							(00	.8)			WO: E407239
	Manager r's Name			h Guesnier s Sanchez	Contact: SRS #: Sampler's Si	gnatu	ire					Method 300)	BTEX (EPA Method 80218)			3084 21102 0001
oject	lumber 83428	2005		Project Name	m149			No. T	ype of	Contain	ers 5	(EPA	PA Me			
Matrix	Date 772572624	Time 11.21	x Comp			Start	A THE PARTY NAMED IN		2 oz Glass	250 ml Poly						Lab Sample ID
	725/3014 725/3024	11.19	X	F5-10 -511 F5 14	# FS-11	8 8 8	8 8 8	X X				X X	(X (X			} per. G. Sanchez 8/19/240
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AND DESCRIPTION OF THE PERSON NAMED IN	OUND TIM		0	Normal 48-Hour Rush	24-Hour Rush	of Charac	TRRP	Labor	atory A	Date:		st me:	O mil		No	
elingu	shed by Isia	grature)	rles	Date: 7-29-24 11-41 Date: 7-29-24 17-00	Received by	SHAPE WITH	CONTRACTOR OF THE PARTY OF THE	gn	eç	7- 19 Date 2.29.	24 Ti	1140) Tar	-	Groves	
elinfr	shed by (Sig	gnature)		129.24 214	Received by	(Sign	ature)			Date: 7-30-	Ti	me				travis casey@terracon.com mike.adams@terracon.com beckysue.miller@terracon.com
	COOLER ECEIVED (o		4													gus sanchez@terracon.com chuck.smith@terracon.com

Received by OCD: 11/1/2024 10:22:52 AM

						La contrata												Page 2 of 2
	3	FE	· He De			Laboratory							AI	NALY	SIS RE	QUES	T	LAB USE ONLYDUE DATE:
Office	Location	4520	W. Pie	Explore with us	8220	Address: Phone: Contact:												WO: F407239
Proje	t Manager		Jose	ph Guesnier		SRS #:							Method 300)	5	80218)			308 TH 211000 0001
Samp	ler's Name		Gt	is Sanchez		Sampler's S	ignatu	e					Met	8015	thod		100	
Project	Number KH2a	7005		Project Name	Leak #14	9			No. T	ype of	Contain	ers	Chloride (EPA	TPH Extended	BTEX (EPA Method			
Matrix	Date	Time	Comp	AND DESCRIPTION OF THE PARTY OF	Marks of Samp	ole(s)	Start	End Depth	4 oz Glass	2 oz Glass	250 ml Poly							Lab Sample ID
5	7/25/2024	10:38	X		W-SW-01 W-SW-01		8	8	X						X			17
5	7/25/2021	10:46	X		N-SW-01		8	16	X				X	X	X			19. 20
5	7/25/2024	10:52	X		N-SW-04 S-SW-06		16	16 20	X					X	X			A)
S	7/25/2024	12:17	X	E-SW-04 -	25W-81 出		0 4	4 8	X						X			a3 a3
S	7/25/2024	12:40	X	E-SW-04	E-SW-OL W		8	16	X						X			24
TURNI	ROUND TIM			Normal D 48-Hour	Rush D 24-H	lour Rush		TRRP	Labora	tory R	i eview C	heckli	st	1	yes	-	No	
STREET, STREET	uished by (Sig		110	Date:	Time:	Regreyed b	y (Signa	tyre)			Date:	Ti	me:	. 10	all Lo			
		H	+4	7-29-24	11.40	l'ofice	uelle	110	on an	ies	7:29.		11 41 me:		arga	iber Gr	OVOC	e-mail results to: joseph.guesnier@terraconc.om
Relinq	The Lexie	ie Go	ngal	9 Date 7-1914	Time:	Received b	(Signa	iture)			7.49	·W	1 Ze	00	itt. All	ibel Gi	ovez	travis casey@terracon.com
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(X	u.			7.29.14	1145	-	5	Jus	7		7-30-	14 0	830					beckysue miller@terracon.com
100000000000000000000000000000000000000	OF COOLER RECEIVED (o		4															gus sanchez@terracon.com chuck.smith@terracon.com
Matrix Contai		ww-Waste	ewate il vial A/	W - Water S - So G - Amber C 250 ml =	il L - Liquid Glass wide mo	A - Air Bag u P/O - Plasti	C - Ch	arcoal ner	tube	SL - SI	udge							
					Lubback O	ffice a 582	7 500	Stree	et. Su	ite 1	u Lub	bock	Tex	as 7	9424	= 80	6-300	0-0140

Report to:
Gus Sanchez







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Terracon

Project Name: Leak #149

Work Order: E408104

Job Number: 21102-0001

Received: 8/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/13/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/13/24

Gus Sanchez 4518 W. Pierce St Carlsbad, NM 87401

Project Name: Leak #149 Workorder: E408104

Date Received: 8/12/2024 8:15:00AM

Gus Sanchez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/12/2024 8:15:00AM, under the Project Name: Leak #149.

The analytical test results summarized in this report with the Project Name: Leak #149 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Michelle Gonzales

Client Representative

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Sample Summary

_			•	
ſ	Terracon	Project Name:	Leak #149	Reported:
١	4518 W. Pierce St	Project Number:	21102-0001	Reporteu:
l	Carlsbad NM, 87401	Project Manager:	Gus Sanchez	08/13/24 15:41

Client Sample ID	Lab Sample ID Matri	x Sampled	Received	Container
S-SW-05 0-4	E408104-01A Soil	08/08/24	08/12/24	Glass Jar, 2 oz.



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/13/2024 3:41:09PM

S-SW-05 0-4 E408104-01

		L400104-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: CG		Batch: 2433003
Benzene	ND	0.0250	1	08/12/24	08/12/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/12/24	
Toluene	ND	0.0250	1	08/12/24	08/12/24	
o-Xylene	ND	0.0250	1	08/12/24	08/12/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/12/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/12/24	
Surrogate: 4-Bromochlorobenzene-PID		89.1 %	70-130	08/12/24	08/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: CG		Batch: 2433003
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	08/12/24	08/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2433001
Diesel Range Organics (C10-C28)	70.3	50.0	2	08/12/24	08/12/24	
Oil Range Organics (C28-C36)	ND	100	2	08/12/24	08/12/24	
Surrogate: n-Nonane		123 %	50-200	08/12/24	08/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2433002
Chloride	ND	20.0	1	08/12/24	08/12/24	



Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Gus Sanchez 8/13/2024 3:41:09PM **Volatile Organics by EPA 8021B** Analyst: CG Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2433003-BLK1) Prepared: 08/12/24 Analyzed: 08/12/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.04 8.00 88.0 70-130 LCS (2433003-BS1) Prepared: 08/12/24 Analyzed: 08/12/24 4.55 91.0 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.76 0.0250 5.00 95.3 70-130 4.74 0.0250 5.00 94.9 70-130 Toluene 95.3 o-Xylene 4.77 0.0250 5.00 70-130 9.70 10.0 97.0 70-130 0.0500 p.m-Xvlene 96.4 70-130 14.5 15.0 Total Xylenes 0.0250 8.00 90.5 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.24 Matrix Spike (2433003-MS1) Source: E408106-06 Prepared: 08/12/24 Analyzed: 08/12/24 4.46 0.0250 5.00 ND 54-133 Benzene ND 94.4 61-133 Ethylbenzene 4.72 0.0250 5.00 Toluene 4.69 0.0250 5.00 ND 93.7 61-130 4.72 ND 94.5 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.61 0.0500 10.0 ND 96.1 63-131 14.3 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.14 8.00 Matrix Spike Dup (2433003-MSD1) Source: E408106-06 Prepared: 08/12/24 Analyzed: 08/12/24 4.17 0.0250 5.00 ND 83.4 54-133 6.83 4.42 ND 61-133 6.52 0.0250 5.00 88.5 20 Ethylbenzene 61-130 Toluene 4 38 0.0250 5.00 ND 87.7 6.65 20 4.43 5.00 ND 88.6 63-131 6.40 20 o-Xylene 0.0250 9.02 10.0 ND 90.2 63-131 6.35 20 p,m-Xylene 0.0500 Total Xylenes 13.4 0.0250 15.0 ND 89.7 63-131 6.37 20

8.00

88.6

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.09

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

 Terracon
 Project Name:
 Leak #149
 Reported:

 4518 W. Pierce St
 Project Number:
 21102-0001

 Carlsbad NM, 87401
 Project Manager:
 Gus Sanchez
 8/13/2024 3:41:09PM

Carlsbad NM, 87401		Project Manage	r: Gı	us Sanchez				8/1	3/2024 3:41:09PN
	Non	halogenated		Analyst: CG					
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2433003-BLK1)							Prepared: 0	8/12/24 Anal	yzed: 08/12/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			
LCS (2433003-BS2)							Prepared: 0	8/12/24 Anal	yzed: 08/12/24
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			
Matrix Spike (2433003-MS2)				Source:	E408106-	06	Prepared: 0	8/12/24 Anal	yzed: 08/12/24
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	90.1	70-130			

Matrix Spike Dup (2433003-MSD2)				Source:	E408106-0	06	Prepared: 08	8/12/24 Analyzed: 08/12/24
Gasoline Range Organics (C6-C10)	45.2	20.0	50.0	ND	90.4	70-130	0.348	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130		

70-130

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	·
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/13/2024 3:41:09PM

Carlsbad NM, 87401		Project Manage	r: Gu	is Sanchez					8/13/2024 3:41:09PM
	Nonha	logenated Or		Analyst: NV					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2433001-BLK1)							Prepared: 0	8/12/24 Aı	nalyzed: 08/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.8		50.0		120	50-200			
LCS (2433001-BS1)							Prepared: 0	8/12/24 Aı	nalyzed: 08/12/24
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	61.9		50.0		124	50-200			
Matrix Spike (2433001-MS1)				Source:	E408106-	07	Prepared: 0	8/12/24 Aı	nalyzed: 08/12/24
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	61.7		50.0		123	50-200			
Matrix Spike Dup (2433001-MSD1)				Source:	E408106-	07	Prepared: 0	8/12/24 Aı	nalyzed: 08/12/24
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132	0.596	20	
Surrogate: n-Nonane	57.7		50.0		115	50-200			



Chloride

QC Summary Data

Terracon		Project Name:		eak #149					Reported:
4518 W. Pierce St Carlsbad NM, 87401	Project Number: Project Manager		102-0001 us Sanchez					8/13/2024 3:41:09PM	
		Anions	by EPA 3	00.0/9056	4				Analyst: WF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2433002-BLK1)							Prepared: 0	8/12/24 A	nalyzed: 08/12/24
Chloride	ND	20.0							
LCS (2433002-BS1)							Prepared: 0	8/12/24 A	nalyzed: 08/12/24
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2433002-MS1)				Source:	E408105-	01	Prepared: 0	8/12/24 A	nalyzed: 08/12/24
Chloride	268	200	250	ND	107	80-120			
Matrix Spike Dup (2433002-MSD1)				Source:	E408105-0	01	Prepared: 0	8/12/24 A	nalyzed: 08/12/24

250

200

ND

107

80-120

0.176

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

	Terracon	Project Name: Leak #149	
ı	4518 W. Pierce St	Project Number: 21102-0001	Reported:
ı	Carlsbad NM, 87401	Project Manager: Gus Sanchez	08/13/24 15:41

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Page 1 of 1	ed by
	OCD.
	: 11/1
	1/1/2024
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	0																				LAB USE ONLYDUE DATE:
Office Location Project Manager			4526 W. Pierce St Carlsbad NM, 88220 Joseph Guesnier				Contact:							300)	300)		IS REC	UEST		E408104 100# 21102-0001	
						_	SRS #: Sampler's Signature						Method	15	08 p	8					
Sam	pler's Name			Gus	Sanchez		Sampler's	oignat	ure	Sola	- 3	W				801	tho				
Projec	t Number KH24	7005			Project Name	Leak #149)		2 01			- 60	Contai			TPH Extended 8015	BTEX (EPA Method 8021B)				
Matrix	Date	Time	Сотр	Grab	Identifying M		le(s)	Start	End	Depth 4 oz	Glass	z oz Glass	250 ml Polv		Chloride (TPH Ex	BTEX (I				Lab Sample ID
S	8/8/2024	13:25	Х		S-5	SW-05		0	4	X					Х	X	X				
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TURN	AROUND TIME				Normal ^{DF} 48-Hour Ru	sh 24-H	our Rush		TRR	P Labo	orato	ory Re	eview	Chec	klist		0	Yes		No	
Reling	uished by (Sje	nature)				me:	Received b	y (Sign								2:	Bill	To:		m	
	211				Date: Ti	1:71					- (P	es	Date:	24	113	31	Tar				e-mail results to:
Relinq	uished by (Sig	nature)	1	e.	Pate; 14 Ti	me: 1540	Received b	y, (Sigi	nature	4,			Date:	9 2	Time	e:	Att	: Amb	er Gr	oves	joseph.guesnier@terraconc.om
			MICH	¥			1	1/	- 1	IN	_						(travis.casey@terracon.com
Reling	uished by (Sig	nature)			Date: 9-14 Ti	me: 2317	Received b	y (Sign	nature	2)			Date:	In	Time	10					mike.adams@terracon.com
X	wor	/			3-1-61	4)11	(V)XX	P					0116	14	4 8	S	-				beckysue.miller@terracon.com
	OF COOLER	c1																			gus.sanchez@terracon.com
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Matrix Conta		WW-Waste			W - Water S - Soil - Amber C 250 ml = Gl	L - Liquid				ai tub	e 2	r - 21	uage								
Conta	iller	VOA - 40 II	ii vidi	7/0	- Alliber 6 230 IIII = GI	ass wide illo	r/O - Flasti	COIC	tilei _				-								
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envirotech Inc.

Printed: 8/12/2024 10:08:30AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Terracon	Date Received:	08/12/24	08:15		Work Order ID:	E408104
Phone:	(806) 544-9276	Date Logged In:	08/09/24	15:42		Logged In By:	Alexa Michaels
Email:		Due Date:	08/13/24	17:00 (1 day TAT)			
Chain of	Custody (COC)						
1. Does tl	ne sample ID match the COC?		Yes				
2. Does tl	ne number of samples per sampling site location ma	ch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier_		
4. Was th	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			Comment	s/Resolution
Sample T	Furn Around Time (TAT)	511.					<u> </u>
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	Container	temperature. 1	<u> </u>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers)	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal		iers conceteu.	103				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	ination.	Yes				
	pate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample I	<u>Preservation</u>						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	ract Laboratory						
	amples required to get sent to a subcontract laborato	ru?	No				
	subcontract laboratory specified by the client and is	•	NA	Subcontract Lab	·NA		
		, 50 VIIIO.	- 1112	Subcontract Lab	. 1421		
Chent II	<u>nstruction</u>						

Date

Signature of client authorizing changes to the COC or sample disposition.

Report to:
Gus Sanchez







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Terracon

Project Name: Leak #149

Work Order: E408110

Job Number: 21102-0001

Received: 8/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/13/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/13/24

Gus Sanchez 4518 W. Pierce St Carlsbad, NM 87401

Project Name: Leak #149 Workorder: E408110

Date Received: 8/12/2024 8:15:00AM

Gus Sanchez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/12/2024 8:15:00AM, under the Project Name: Leak #149.

The analytical test results summarized in this report with the Project Name: Leak #149 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Client Representative

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mgonzales@envirotech-inc.com

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Sample Summary

Terracon	Project Name:	Leak #149	Donoutode
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	08/13/24 15:47

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS-20 5-5	E408110-01A Soil	08/08/24	08/10/24	Glass Jar, 2 oz.
FS-21 5-5	E408110-02A Soil	08/08/24	08/10/24	Glass Jar, 2 oz.
FS-22 5-5	E408110-03A Soil	08/08/24	08/10/24	Glass Jar, 2 oz.



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/13/2024 3:47:05PM

FS-20 5-5 E408110-01

		E408110-01				
	D. I.	Reporting	D 3.44	D 1		N.
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Anal	yst: BA		Batch: 2433004
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
-Xylene	ND	0.0250	1	08/12/24	08/13/24	
o,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: 4-Bromochlorobenzene-PID		89.4 %	70-130	08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2433004
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	08/12/24	08/13/24	
Sonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2433014
Diesel Range Organics (C10-C28)	66.8	50.0	2	08/12/24	08/12/24	
Dil Range Organics (C28-C36)	ND	100	2	08/12/24	08/12/24	
Surrogate: n-Nonane		102 %	50-200	08/12/24	08/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2433017
Chloride	372	20.0	1	08/12/24	08/12/24	

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/13/2024 3:47:05PM

FS-21 5-5 E408110-02

		E-100110-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	yst: BA		Batch: 2433004
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: 4-Bromochlorobenzene-PID		89.3 %	70-130	08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2433004
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2433014
Diesel Range Organics (C10-C28)	89.3	25.0	1	08/12/24	08/13/24	
Oil Range Organics (C28-C36)	132	50.0	1	08/12/24	08/13/24	
Surrogate: n-Nonane		106 %	50-200	08/12/24	08/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: WF		Batch: 2433017
Chloride	191	20.0	1	08/12/24	08/12/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/13/2024 3:47:05PM

FS-22 5-5 E408110-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	yst: BA		Batch: 2433004
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: 4-Bromochlorobenzene-PID		89.7 %	70-130	08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2433004
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2433014
Diesel Range Organics (C10-C28)	64.2	50.0	2	08/12/24	08/12/24	
Oil Range Organics (C28-C36)	ND	100	2	08/12/24	08/12/24	
Surrogate: n-Nonane		97.7 %	50-200	08/12/24	08/12/24	
Anions by EPA 300.0/9056A		mg/kg	Analy	yst: WF		Batch: 2433017
Chloride	410	20.0	1	08/12/24	08/12/24	



Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Gus Sanchez 8/13/2024 3:47:05PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2433004-BLK1) Prepared: 08/12/24 Analyzed: 08/13/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.17 8.00 89.6 70-130 LCS (2433004-BS1) Prepared: 08/12/24 Analyzed: 08/13/24 4.64 92.7 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.63 0.0250 5.00 92.6 70-130 4.77 0.0250 5.00 95.4 70-130 Toluene 94.6 o-Xylene 4.73 0.0250 5.00 70-130 9.52 10.0 95.2 70-130 0.0500 p.m-Xvlene 95.0 70-130 14.3 15.0 Total Xylenes 0.0250 8.00 89.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.14 Matrix Spike (2433004-MS1) Source: E408105-07 Prepared: 08/12/24 Analyzed: 08/13/24 4.75 0.0250 5.00 ND 95.1 54-133 Benzene ND 61-133 Ethylbenzene 4.74 0.0250 5.00 94.8 Toluene 4.89 0.0250 5.00 ND 97.9 61-130 4.86 ND 97.1 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.74 0.0500 10.0 ND 97.4 63-131 14.6 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.24 8.00 Matrix Spike Dup (2433004-MSD1) Source: E408105-07 Prepared: 08/12/24 Analyzed: 08/13/24 4.83 0.0250 5.00 ND 54-133 1.55 ND 61-133 1.54 4.81 0.0250 5.00 96.3 20 Ethylbenzene 61-130 Toluene 4 97 0.0250 5.00 ND 99.3 1.51 20

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

ND

ND

ND

98.7

98.8

98.8

90.8

63-131

63-131

63-131

70-130

1.59

1.45

1.50

20

20

20



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

4.94

9.88

14.8

7.27

 Terracon
 Project Name:
 Leak #149
 Reported:

 4518 W. Pierce St
 Project Number:
 21102-0001

 Carlsbad NM, 87401
 Project Manager:
 Gus Sanchez
 8/13/2024 3:47:05PM

Nonhalogenated Organics by EPA 8015D - GRO
--

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Result	LIIIII	Level	Kesun	Rec	Lillius	KrD	LIIIII	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	8/12/24 An	alyzed: 08/13/24
ND	20.0							
8.46		8.00		106	70-130			
						Prepared: 0	8/12/24 An	alyzed: 08/13/24
40.3	20.0	50.0		80.6	70-130			
8.59		8.00		107	70-130			
			Source:	E408105-0	07	Prepared: 08/12/24 Analyzed: 08/13/24		
41.1	20.0	50.0	ND	82.2	70-130			
8.56		8.00		107	70-130			
			Source:	E408105-0	07	Prepared: 0	8/12/24 An	alyzed: 08/13/24
39.9	20.0	50.0	ND	79.9	70-130	2.92	20	
8.49		8.00		106	70-130			
	ND 8.46 40.3 8.59 41.1 8.56	Mg/kg mg/kg ND 20.0 8.46 40.3 20.0 8.59 41.1 20.0 8.56 39.9 20.0	mg/kg mg/kg mg/kg ND 20.0 8.00 8.46 8.00 8.00 40.3 20.0 50.0 8.59 8.00 8.00 41.1 20.0 50.0 8.56 8.00 8.00 39.9 20.0 50.0	mg/kg mg/kg mg/kg mg/kg ND 20.0 8.00 8.46 8.00 8.00 40.3 20.0 50.0 8.59 8.00 8.00 Source: 41.1 20.0 50.0 ND 8.56 8.00 8.00 Source: 39.9 20.0 50.0 ND	mg/kg mg/kg mg/kg mg/kg % ND 20.0 8.00 106 8.46 8.00 106 40.3 20.0 50.0 80.6 8.59 8.00 107 Source: E408105-4 41.1 20.0 50.0 ND 82.2 8.56 8.00 107 Source: E408105-4 39.9 20.0 50.0 ND 79.9	mg/kg mg/kg mg/kg mg/kg % % ND 20.0 8.00 106 70-130 40.3 20.0 50.0 80.6 70-130 8.59 8.00 107 70-130 Source: E408105-07 41.1 20.0 50.0 ND 82.2 70-130 8.56 8.00 107 70-130 Source: E408105-07 39.9 20.0 50.0 ND 79.9 70-130	Prepared: 0 ND 20.0 8.46 8.00 106 70-130 Prepared: 0 40.3 20.0 50.0 80.6 70-130 8.59 8.00 107 70-130 Source: E408105-07 Prepared: 0 41.1 20.0 50.0 ND 82.2 70-130 8.56 8.00 107 70-130 Source: E408105-07 Prepared: 0 Source: E408105-07 Prepared: 0	mg/kg mg/kg mg/kg mg/kg % % % % Prepared: 08/12/24 And ND 8.46 8.00 106 70-130 70-130 Prepared: 08/12/24 And ND 8.59 8.00 107 70-130 Prepared: 08/12/24 And ND 8.59 8.00 107 70-130 Prepared: 08/12/24 And ND 8.56 8.00 107 70-130 Prepared: 08/12/24 And ND 8.56 8.00 107 70-130 Prepared: 08/12/24 And ND 8.99 20.0 50.0 ND 79.9 70-130 2.92 20

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	•
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	8/13/2024 3:47:05PM

Carlsbad NM, 87401		Project Manage	r: Gı	is Sanchez				8/	13/2024 3:47:05PM
	Nonhal	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2433014-BLK1)							Prepared: 0	8/12/24 Ana	lyzed: 08/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.7	50-200			
LCS (2433014-BS1)							Prepared: 0	8/12/24 Ana	lyzed: 08/12/24
Diesel Range Organics (C10-C28)	238	25.0	250		95.3	38-132			
Surrogate: n-Nonane	46.4		50.0		92.8	50-200			
Matrix Spike (2433014-MS1)				Source:	E408110-0)2	Prepared: 0	8/12/24 Ana	lyzed: 08/13/24
Diesel Range Organics (C10-C28)	320	25.0	250	89.3	92.2	38-132			
Surrogate: n-Nonane	50.3		50.0		101	50-200			
Matrix Spike Dup (2433014-MSD1)				Source:	E408110-0)2	Prepared: 0	8/12/24 Ana	lyzed: 08/13/24
Diesel Range Organics (C10-C28)	318	25.0	250	89.3	91.6	38-132	0.455	20	
Surrogate: n-Nonane	47.9		50.0		95.8	50-200			



Terracon 4518 W. Pierce St		Project Name: Project Number:		eak #149 1102-0001					Reported:
Carlsbad NM, 87401		Project Manager		Sus Sanchez					8/13/2024 3:47:05PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: WF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2433017-BLK1)							Prepared: 0	8/12/24 A	nalyzed: 08/12/24
Chloride	ND	20.0							
LCS (2433017-BS1)							Prepared: 0	8/12/24 A	nalyzed: 08/12/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2433017-MS1)				Source:	E408110-0)1	Prepared: 0	8/12/24 A	nalyzed: 08/12/24
Chloride	642	20.0	250	372	108	80-120			
Matrix Spike Dup (2433017-MSD1)				Source:	E408110-0)1	Prepared: 0	8/12/24 A	nalyzed: 08/12/24
Chloride	630	20.0	250	372	103	80-120	1.78	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

ſ	Terracon	Project Name:	Leak #149	
l	4518 W. Pierce St	Project Number:	21102-0001	Reported:
l	Carlsbad NM, 87401	Project Manager:	Gus Sanchez	08/13/24 15:47

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



CHAIN OF CUSTODY RECORD

4												d I		_					-	Fage 01
	0				The State of the S									۸	NIAIN	/CIC E	REQUE	ст	L	AB USE ONLYDUE DATE:
Office	Location				Explore with us 2 St Carlsbad NM, 88220	A	aboratory: ddress: hone: ontact:						1000	Method 300)			NEQUE		(E408110 tob# 21102-0001
Proie	ct Manager	3	Jos	eph	Guesnier		RS #:				4			ور ا		80				
	oler's Name				Sanchez	S	ampler's S	ignatu	re 2	14.	W			Net	301	hod			-	
										1	-		- 5	A A	ed	Met			-	
Projec	t Number			F	Project Name	L == l: #1.40				No. T	ype of	Contain	ers		end	PA			+	
Matrix	KH24 Date	Time	Comp	Grab	Identifying Mark	Leak #149 ks of Sample((s)	Start	End	4 oz Glass	2 oz Glass	250 ml Poly		Chloride (EPA	TPH Extended 8015	BTEX (EPA Method 8021B)				Lab Sample ID
S	8/8/2024	13:28	X	0	FS-2	20		5	5	X	7 0	74				X	-	-	1	1
5	8/8/2024	13:30	X		FS-2	21		5	5	Х				Х	X	Х				2
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	AROUND TIM uisbed by (Şi			DOTAGE				v (Sign								Bill T				
Keline	and a do his	gilature)			Date: 8-9-24 11	ne: :3	Received b	elle	(7. B	man.	tec	Date: 8 9 2	4	113	11	Targa				e-mail results to:
Reline	wished bydSi	nature)	а		Date: Tim		Received b	y/(Sigr	ature	Ú		Date:		ime			Amber	Gro	ves	joseph.guesnier@terraconc.om
1	uished by (Sig	Gonz	ries	7	Date: Tim	540	m	W				87	-19	10	PI					travis.casey@terracon.com
Relino	uished by (Si	gnațure)	1		Page Po	38317	Received b	y (Sigr	ature			Date:	La T	ime	_					mike.adams@terracon.com
3 1	mal	m			Bate: 9-24 Tim	217	ON	A				8115	M	01	5					beckysue.miller@terracon.com
TEMP	OF COOLER				en.65° on		7		50											gus.sanchez@terracon.com chuck.smith@terracon.com
	N RECEIVED (c										CI C	t. d.								chuck.smitn@terracon.com
Matri		WW-Wast			W - Water S - Soil	L - Liquid	A - Air Bag	C - C	narco:	ai tube	SL - S	luage								
Conta	iner	VOA - 40 r	ni vial	A/G	- Amber € 250 ml = Glas	ss wide mou l	P/O - Plast	ic or o	mer_									_		
					1.6	hhock Offi	co = 58°	7 501	h Str	oot Si	rite 1	m Lub	bock	. Te	exas	7942	24 m	806-	300-	-0140

Page 329 of 4:

Printed: 8/12/2024 8:37:14AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Terracon	Date Received:	08/12/24	08:15		Work Order ID:	E408110
Phone:	(806) 544-9276	Date Logged In:	08/12/24	08:34		Logged In By:	Alexa Michaels
Email:		Due Date:	08/13/24	17:00 (1 day TAT)			
Chain of	Custody (COC)						
	Custody (COC)		37				
	ne sample ID match the COC? ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?	ch the coc	Yes	a	~ .		
	e COC complete, i.e., signatures, dates/times, reques	tod analyzas?	Yes Yes	Carrier: <u>C</u>	<u>Courier</u>		
	Il samples received within holding time?	acd analyses?	Yes				
J. Wele a	Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssion.		165			Comments	s/Resolution
Sample T	Turn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	Cooler						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C		<u> </u>	<u>~</u>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	,	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal		iers conceita.	105				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
D	Pate/Time Collected?		Yes				
C	ollectors name?		No				
	Preservation_						
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphase	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	ract Laboratory						
	amples required to get sent to a subcontract laborator	ry?	No				
	subcontract laboratory specified by the client and if	•	NA	Subcontract Lab	o: NA		
Client Ir	nstruction						
CHCHCH	isti uction						

Date

Report to:

Joseph Guesnier







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Terracon

Project Name: Leak #149

Work Order: E402221

Job Number: 21102-0001

Received: 2/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/29/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/29/24

Joseph Guesnier 4518 W. Pierce St Carlsbad, NM 87401

Project Name: Leak #149 Workorder: E402221

Date Received: 2/23/2024 8:00:00AM

Joseph Guesnier,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/23/2024 8:00:00AM, under the Project Name: Leak #149.

The analytical test results summarized in this report with the Project Name: Leak #149 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Terracon	Project Name:	Leak #149	Denouted
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	02/29/24 12:29

Client Sample ID	Lab Sample ID M	latrix	Sampled	Received	Container
FS01 3'	E402221-01A	Soil	02/21/24	02/23/24	Glass Jar, 4 oz.
FS02 3'	E402221-02A	Soil	02/21/24	02/23/24	Glass Jar, 4 oz.
FS03 3'	E402221-03A	Soil	02/21/24	02/23/24	Glass Jar, 4 oz.
FS04 3'	E402221-04A	Soil	02/21/24	02/23/24	Glass Jar, 4 oz.
E-SW01 02'	E402221-05A	Soil	02/21/24	02/23/24	Glass Jar, 4 oz.
S -SW01 0 4'	E402221-06A	Soil	02/21/24	02/23/24	Glass Jar, 4 oz.
S -SW02 0 3'	E402221-07A	Soil	02/21/24	02/23/24	Glass Jar, 4 oz.



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	2/29/2024 12:29:18PM

FS01 3' E402221-01

Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
mg/kg	mg/kg	Aı	nalyst: EG		Batch: 2408090
ND	0.0250	1	02/23/24	02/29/24	
ND	0.0250	1	02/23/24	02/29/24	
ND	0.0250	1	02/23/24	02/29/24	
ND	0.0250	1	02/23/24	02/29/24	
ND	0.0500	1	02/23/24	02/29/24	
ND	0.0250	1	02/23/24	02/29/24	
	87.7 %	70-130	02/23/24	02/29/24	
mg/kg	mg/kg	Aı	nalyst: EG		Batch: 2408090
ND	20.0	1	02/23/24	02/29/24	
	99.3 %	70-130	02/23/24	02/29/24	
mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2409007
ND	25.0	1	02/26/24	02/27/24	
ND	50.0	1	02/26/24	02/27/24	
	76.0 %	50-200	02/26/24	02/27/24	
mg/kg	mg/kg	Aı	nalyst: DT		Batch: 2408094
49.2	20.0	1	02/23/24	02/24/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 87.7 % mg/kg MD 20.0 99.3 % mg/kg ND 25.0 ND 50.0 76.0 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Ar ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 87.7 % 70-130 mg/kg mg/kg Ar ND 20.0 1 99.3 % 70-130 mg/kg mg/kg Ar ND 25.0 1 ND 50.0 1 76.0 % 50-200 mg/kg mg/kg Ar	Result Limit Dilution Prepared mg/kg mg/kg Analyst: EG ND 0.0250 1 02/23/24 ND 0.0250 1 02/23/24 ND 0.0250 1 02/23/24 ND 0.0250 1 02/23/24 ND 0.0500 1 02/23/24 ND 0.0250 1 02/23/24 mg/kg mg/kg Analyst: EG ND 20.0 1 02/23/24 mg/kg mg/kg Analyst: KM ND 25.0 1 02/23/24 ND 25.0 1 02/26/24 ND 50.0 1 02/26/24 ND 50.0 1 02/26/24 ND 50.0 0 02/26/24 ND 50.0 1 02/26/24 ND 50.0 1 02/26/24 ND 50.0 0 0 20/26/24 0	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 02/23/24 02/29/24 ND 0.0250 1 02/23/24 02/29/24 ND 0.0250 1 02/23/24 02/29/24 ND 0.0500 1 02/23/24 02/29/24 ND 0.0500 1 02/23/24 02/29/24 ND 0.0250 1 02/23/24 02/29/24 mg/kg mg/kg Analyst: EG ND 20.0 1 02/23/24 02/29/24 mg/kg mg/kg Analyst: EG ND 20.0 1 02/23/24 02/29/24 mg/kg mg/kg Analyst: KM ND 25.0 1 02/23/24 02/27/24 ND 50.0 1 02/26/24 02/27/24 ND 50.0 1 02/26/24 02/27/24 ND 50.0 <

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	2/29/2024 12:29:18PM

FS02 3' E402221-02

Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: EG		Batch: 2408090
ND	0.0250	1	02/23/24	02/28/24	
ND	0.0250	1	02/23/24	02/28/24	
ND	0.0250	1	02/23/24	02/28/24	
ND	0.0250	1	02/23/24	02/28/24	
ND	0.0500	1	02/23/24	02/28/24	
ND	0.0250	1	02/23/24	02/28/24	
	90.9 %	70-130	02/23/24	02/28/24	
mg/kg	mg/kg	Ana	lyst: EG		Batch: 2408090
ND	20.0	1	02/23/24	02/28/24	
	98.5 %	70-130	02/23/24	02/28/24	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2409007
ND	25.0	1	02/26/24	02/27/24	
ND	50.0	1	02/26/24	02/27/24	
	78.8 %	50-200	02/26/24	02/27/24	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2408094
43.2	20.0	1	02/23/24	02/24/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 98.5 % mg/kg ND 25.0 ND 50.0 78.8 % mg/kg mg/kg mg/kg	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 90.9 % 70-130 mg/kg mg/kg Ana ND 20.0 1 98.5 % 70-130 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 78.8 % 50-200 mg/kg mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: EG ND 0.0250 1 02/23/24 ND 0.0250 1 02/23/24 ND 0.0250 1 02/23/24 ND 0.0250 1 02/23/24 ND 0.0500 1 02/23/24 ND 0.0250 1 02/23/24 mg/kg mg/kg Analyst: EG ND 20.0 1 02/23/24 mg/kg mg/kg Analyst: KM ND 25.0 1 02/23/24 ND 25.0 1 02/23/24 ND 50.0 1 02/26/24 ND 50.0 1 02/26/24 ND 50.0 1 02/26/24 mg/kg mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 02/23/24 02/28/24 ND 0.0250 1 02/23/24 02/28/24 ND 0.0250 1 02/23/24 02/28/24 ND 0.0500 1 02/23/24 02/28/24 ND 0.0250 1 02/23/24 02/28/24 ND 0.0250 1 02/23/24 02/28/24 mg/kg mg/kg Analyst: EG ND 20.0 1 02/23/24 02/28/24 mg/kg mg/kg Analyst: EG ND 20.0 1 02/23/24 02/28/24 mg/kg mg/kg Analyst: KM ND 25.0 1 02/23/24 02/27/24 ND 50.0 1 02/26/24 02/27/24 ND 50.0 1 02/26/24 02/27/24 ND 50.0 <



Ī	Terracon	Project Name:	Leak #149	
	4518 W. Pierce St	Project Number:	21102-0001	Reported:
	Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	2/29/2024 12:29:18PM

FS03 3' E402221-03

		E402221-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: EG		Batch: 2408090
Benzene	ND	0.0250	1	02/23/24	02/28/24	
Ethylbenzene	ND	0.0250	1	02/23/24	02/28/24	
Toluene	ND	0.0250	1	02/23/24	02/28/24	
o-Xylene	ND	0.0250	1	02/23/24	02/28/24	
p,m-Xylene	ND	0.0500	1	02/23/24	02/28/24	
Total Xylenes	ND	0.0250	1	02/23/24	02/28/24	
Surrogate: 4-Bromochlorobenzene-PID		93.1 %	70-130	02/23/24	02/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: EG		Batch: 2408090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/23/24	02/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.9 %	70-130	02/23/24	02/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2409007
Diesel Range Organics (C10-C28)	757	125	5	02/26/24	02/27/24	
Oil Range Organics (C28-C36)	370	250	5	02/26/24	02/27/24	
Surrogate: n-Nonane		82.9 %	50-200	02/26/24	02/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2408094
Chloride	318	20.0	1	02/23/24	02/24/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	2/29/2024 12:29:18PM

FS04 3' E402221-04

		1.402221 04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: EG		Batch: 2408090
Benzene	ND	0.0250	1	02/23/24	02/28/24	
Ethylbenzene	ND	0.0250	1	02/23/24	02/28/24	
Toluene	ND	0.0250	1	02/23/24	02/28/24	
p-Xylene	ND	0.0250	1	02/23/24	02/28/24	
p,m-Xylene	ND	0.0500	1	02/23/24	02/28/24	
Total Xylenes	ND	0.0250	1	02/23/24	02/28/24	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	02/23/24	02/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: EG		Batch: 2408090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/23/24	02/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.7 %	70-130	02/23/24	02/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2409007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/26/24	02/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/26/24	02/27/24	
Surrogate: n-Nonane		81.5 %	50-200	02/26/24	02/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2408094
Chloride	32.1	20.0	1	02/23/24	02/24/24	



Ī	Terracon	Project Name:	Leak #149	
	4518 W. Pierce St	Project Number:	21102-0001	Reported:
	Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	2/29/2024 12:29:18PM

E -SW01 0 2' E402221-05

		1.402221 03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: EG		Batch: 2408090
Benzene	ND	0.0250	1	02/23/24	02/28/24	
Ethylbenzene	ND	0.0250	1	02/23/24	02/28/24	
Toluene	ND	0.0250	1	02/23/24	02/28/24	
o-Xylene	ND	0.0250	1	02/23/24	02/28/24	
o,m-Xylene	ND	0.0500	1	02/23/24	02/28/24	
Total Xylenes	ND	0.0250	1	02/23/24	02/28/24	
Surrogate: 4-Bromochlorobenzene-PID		89.9 %	70-130	02/23/24	02/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: EG		Batch: 2408090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/23/24	02/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.2 %	70-130	02/23/24	02/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2409007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/26/24	02/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/26/24	02/27/24	
Surrogate: n-Nonane		83.9 %	50-200	02/26/24	02/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2408094
Chloride	ND	20.0	1	02/23/24	02/24/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	2/29/2024 12:29:18PM

S-SW01 04'

		E402221-06				
Reporting						
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: EG		Batch: 2408090
Benzene	ND	0.0250	1	02/23/24	02/28/24	
Ethylbenzene	ND	0.0250	1	02/23/24	02/28/24	
Toluene	ND	0.0250	1	02/23/24	02/28/24	
o-Xylene	ND	0.0250	1	02/23/24	02/28/24	
o,m-Xylene	ND	0.0500	1	02/23/24	02/28/24	
Total Xylenes	ND	0.0250	1	02/23/24	02/28/24	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	02/23/24	02/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: EG		Batch: 2408090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/23/24	02/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.1 %	70-130	02/23/24	02/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2409007
Diesel Range Organics (C10-C28)	ND	25.0	1	02/26/24	02/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/26/24	02/27/24	
Surrogate: n-Nonane		83.4 %	50-200	02/26/24	02/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2408094
Chloride	33.0	20.0	1	02/23/24	02/24/24	



Anions by EPA 300.0/9056A

Chloride

Sample Data

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	2/29/2024 12:29:18PM

S-SW02 03'

E402221-07 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: EG Batch: 2408090 mg/kg mg/kg Volatile Organics by EPA 8021B 02/23/24 02/28/24 ND 0.0250 Benzene 1 02/23/24 02/28/24 Ethylbenzene ND 0.0250ND 0.02501 02/23/24 02/28/24 Toluene 1 02/23/24 02/28/24 o-Xylene ND 0.02501 02/23/24 02/28/24 ND 0.0500 p,m-Xylene 02/23/24 02/28/24 0.0250 1 Total Xylenes ND 02/23/24 02/28/24 89.7 % 70-130 Surrogate: 4-Bromochlorobenzene-PID Batch: 2408090 mg/kg Analyst: EG Nonhalogenated Organics by EPA 8015D - GRO mg/kg ND 20.0 1 02/23/24 02/28/24 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 99.1 % 02/23/24 02/28/24 70-130 mg/kg mg/kg Analyst: KM Batch: 2409007 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 02/26/24 02/27/24 Diesel Range Organics (C10-C28) 02/26/24 02/27/24 Oil Range Organics (C28-C36) ND 50.0 1 66.2 % 02/26/24 02/27/24 Surrogate: n-Nonane 50-200

mg/kg

20.0

mg/kg

ND

Analyst: DT

02/23/24

02/24/24

1



Batch: 2408094

Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Joseph Guesnier 2/29/2024 12:29:18PM **Volatile Organics by EPA 8021B** Analyst: EG Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2408090-BLK1) Prepared: 02/23/24 Analyzed: 02/29/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.01 8.00 87.6 70-130 LCS (2408090-BS1) Prepared: 02/23/24 Analyzed: 02/29/24 4.70 94.0 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.65 0.0250 5.00 93.0 70-130 4.67 0.0250 5.00 93.5 70-130 Toluene o-Xylene 4.59 0.0250 5.00 91.8 70-130 9.35 10.0 93.5 70-130 0.0500 p.m-Xvlene 92.9 70-130 13.9 15.0 Total Xylenes 0.0250 8.00 87.6 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.01 Matrix Spike (2408090-MS1) Source: E402221-01 Prepared: 02/23/24 Analyzed: 02/29/24 4.96 0.0250 5.00 ND 99.2 54-133 Benzene ND 98.5 61-133 Ethylbenzene 4.92 0.0250 5.00 Toluene 4.94 0.0250 5.00 ND 98.8 61-130 ND 97.3 63-131 4.86 5.00 0.0250 o-Xylene p,m-Xylene 9.90 0.0500 10.0 ND 99.0 63-131 14.8 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 6.92 8.00 Matrix Spike Dup (2408090-MSD1) Source: E402221-01 Prepared: 02/23/24 Analyzed: 02/29/24 4.81 0.0250 5.00 ND 96.2 54-133 3.09 20 61-133 4.79 0.0250 5.00 ND 95.7 2.86 20 Ethylbenzene Toluene 4 80 0.0250 5.00 ND 96.0 61-130 2.87 20 4.72 5.00 ND 94.3 63-131 3.08 20 o-Xylene 0.0250

10.0

15.0

8.00

0.0500

0.0250

ND

ND

96.2

95.5

86.6

63-131

63-131

70-130



2.94

2.98

20

20

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

9.62

14.3

6.93

Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Joseph Guesnier 2/29/2024 12:29:18PM

Nonhalogenated	Organics by	v EPA 8015D	- GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	Result	Limit	Level	Result	Rec	Limits	KPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2408090-BLK1)							Prepared: 0	2/23/24 <i>F</i>	Analyzed: 02/29/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.7	70-130			
LCS (2408090-BS2)							Prepared: 0	2/23/24 A	Analyzed: 02/29/24
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0		94.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130			
Matrix Spike (2408090-MS2)				Source:	E402221-	01	Prepared: 0	2/23/24 A	Analyzed: 02/29/24
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			
Matrix Spike Dup (2408090-MSD2)				Source:	E402221-	01	Prepared: 0	2/23/24 A	Analyzed: 02/29/24
Gasoline Range Organics (C6-C10)	52.7	20.0	50.0	ND	105	70-130	3.63	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.02		8.00		100	70-130			



 Terracon
 Project Name:
 Leak #149
 Reported:

 4518 W. Pierce St
 Project Number:
 21102-0001

 Carlsbad NM, 87401
 Project Manager:
 Joseph Guesnier
 2/29/2024 12:29:18PM

Carlsbad NM, 87401		Project Manage	r: Jos	seph Guesnie	r				2/29/2024 12:29:18PM
	Nonhal	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2409007-BLK1)							Prepared: 02	2/26/24 A1	nalyzed: 02/26/24
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	40.0		50.0		80.0	50-200			
CS (2409007-BS1)							Prepared: 02	2/26/24 Aı	nalyzed: 02/26/24
riesel Range Organics (C10-C28)	229	25.0	250		91.8	38-132			
urrogate: n-Nonane	40.6		50.0		81.2	50-200			
Matrix Spike (2409007-MS1)				Source:	E402216-0	01	Prepared: 02	2/26/24 Aı	nalyzed: 02/26/24
riesel Range Organics (C10-C28)	237	25.0	250	ND	94.6	38-132			
urrogate: n-Nonane	40.0		50.0		79.9	50-200			
Matrix Spike Dup (2409007-MSD1)				Source:	E402216-0	01	Prepared: 02	2/26/24 Aı	nalyzed: 02/26/24
viesel Range Organics (C10-C28)	237	25.0	250	ND	94.6	38-132	0.00630	20	
urrogate: n-Nonane	40.3		50.0		80.6	50-200			



Matrix Spike Dup (2408094-MSD1)

Chloride

QC Summary Data

Terracon 4518 W. Pierce St Carlsbad NM, 87401		Project Name: Project Number: Project Manager	: 21	eak #149 1102-0001 oseph Guesnie	r			2	Reported: 2/29/2024 12:29:18PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	\				Analyst: DT
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit	Notes
Blank (2408094-BLK1)							Prepared: 02	2/23/24 An	alyzed: 02/23/24
Chloride	ND	20.0							
LCS (2408094-BS1)							Prepared: 02	2/23/24 An	alyzed: 02/24/24
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2408094-MS1)				Source:	E402218-	01	Prepared: 02	2/23/24 An	alyzed: 02/24/24
Chloride	279	100	250	ND	112	80-120			

250

100

Source: E402218-01

118

80-120

5.42

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Prepared: 02/23/24 Analyzed: 02/24/24

20

Definitions and Notes

ſ	Terracon	Project Name:	Leak #149	
١	4518 W. Pierce St	Project Number:	21102-0001	Reported:
l	Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	02/29/24 12:29

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Terecon Addres		ANALYSIS REQUEST LAB USE ONLYDUE DATE:
Office Location 4518 W. Pierce St Carlsbad NM, 88220 Contact Project Manager Page Guerrand SRS #:	575 307 5747 Bickey Miller 's Signature Bickey Miller	Chloride (EPA Method 300) TPH Extended 8015 BTEX (EPA Method 80218) Grand G
Project Number KH247005 Project Name Lak #149	No. Type of Containers	Chloride (EPA Method 8D15 BTEX (EPA Method 8
Date Time & Identifying Marks of Sample(s)	Start Depth Co End Depth A Oz A Oz Coz Glass Coz Glass Com Poly	N N N N N N N N N N N N N N N N N N N
5 2/21 3:10 \(\times\) FS02 5 2/21 3:15 \(\times\) FS03 S 2/21 3:30 \(\times\) FS 04 S 2/21 3:15 \(\times\) E-SW01	3' 1 3' 1	タ 次 次
S 2/21 3:15 \\ S 2/21 3:19 \\ S 3.24 \\ S S SWOZ		
TURNAROUND TIME Normal 48-Hour Rush Relinquished by (Signature) Date: Time: Receive	TRRP Laboratory Review Check d by (Signature) Date:	Time: Bill To:
Relinquished by (Signature) Relinquished by (Signature) Date: Time: Receive Receive	d by (Signature) Date: 2.22.24	c-mail results to: joseph.guesnier@terraconc.om 1720
TEMP OF COOLER WHEN RECEIVED (oC)	by (Signature) Date: 24.23/34	DEDO beckysue.miller@terracon.com
Container VOA - 40 ml vial A/G - Amber G 250 ml = Glass wide mou P/O - Pl		ck Toyee 79424 = 806 300 0440

Printed: 2/23/2024 11:25:22AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

Client: Terracon	Date Received:	02/23/24	08:00	Work Order ID:	E402221
Phone: (806) 544-9276	Date Logged In:	02/23/24	08:10	Logged In By:	Angelina Pineda
Email: joseph.guesnier@terracon.com	Due Date:	02/29/24	17:00 (4 day TAT)		
Chain of Custody (COC)					
1. Does the sample ID match the COC?		Yes			
2. Does the number of samples per sampling site location mate	h the COC	Yes			
3. Were samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was the COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes			
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in		Yes		Common	ts/Resolution
i.e, 15 minute hold time, are not included in this disucssion	1.			Commen	137 RESOLUTION
Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT?		Yes			
Sample Cooler					
7. Was a sample cooler received?		Yes			
8. If yes, was cooler received in good condition?		Yes			
9. Was the sample(s) received intact, i.e., not broken?		Yes			
10. Were custody/security seals present?		No			
11. If yes, were custody/security seals intact?		NA			
 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are minutes of sampling 13. If no visible ice, record the temperature. Actual sample to 	received w/i 15	Yes C			
Sample Container	•				
14. Are aqueous VOC samples present?		No			
15. Are VOC samples collected in VOA Vials?		NA			
16. Is the head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a trip blank (TB) included for VOC analyses?		NA			
18. Are non-VOC samples collected in the correct containers?		Yes			
19. Is the appropriate volume/weight or number of sample contained	ers collected?	Yes			
Field Label					
20. Were field sample labels filled out with the minimum infor	mation:				
Sample ID?		Yes			
Date/Time Collected?		Yes			-
Collectors name?		Yes			
Sample Preservation	10				
21. Does the COC or field labels indicate the samples were pre	served?	No			
22. Are sample(s) correctly preserved?	.4-1-0	NA			
24. Is lab filteration required and/or requested for dissolved me	etais?	No			
Multiphase Sample Matrix	_				
26. Does the sample have more than one phase, i.e., multiphase		No			
27. If yes, does the COC specify which phase(s) is to be analyzed	zed?	NA			
Subcontract Laboratory					
28. Are samples required to get sent to a subcontract laboratory	/?	No			
29. Was a subcontract laboratory specified by the client and if s	so who?	NA	Subcontract Lab: NA		
Client Instruction					
Signature of client authorizing changes to the COC or sample dispo	osition.		Da	te	envirotech

Report to: Travis Casey







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Terracon

Project Name: Leak #149

Work Order: E402287

Job Number: 21102-0001

Received: 2/29/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 3/7/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 3/7/24

Travis Casey 4518 W. Pierce St Carlsbad, NM 87401

Project Name: Leak #149 Workorder: E402287

Date Received: 2/29/2024 5:30:00AM

Travis Casey,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/29/2024 5:30:00AM, under the Project Name: Leak #149.

The analytical test results summarized in this report with the Project Name: Leak #149 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Sample Summary

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	03/07/24 13:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS 03 4 4	E402287-01A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
FS 05 3 3	E402287-02A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
FS 06 3 3	E402287-03A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
FS 07 2 2	E402287-04A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
FS 08 2 2	E402287-05A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
FS 09 2 2	E402287-06A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
FS 10 2 2	E402287-07A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
FS 11 3 3	E402287-08A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
FS 12 3 3	E402287-09A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
FS 13 3 3	E402287-10A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
FS 14 3 3	E402287-11A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
FS 15 3 3	E402287-12A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
FS 16 3 3	E402287-13A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
FS 17 3 3	E402287-14A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
FS 18 3 3	E402287-15A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
FS 19 3 3	E402287-16A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
W-SW-01 0 3	E402287-17A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
N-SW-02 0 3	E402287-18A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.
N-SW-01 0 3	E402287-19A	Soil	02/26/24	02/29/24	Glass Jar, 4 oz.



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 03 4 4 E402287-01

		E-102207-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2409070
Benzene	ND	0.0250	1	02/29/24	03/06/24	
Ethylbenzene	ND	0.0250	1	02/29/24	03/06/24	
Toluene	ND	0.0250	1	02/29/24	03/06/24	
o-Xylene	ND	0.0250	1	02/29/24	03/06/24	
p,m-Xylene	ND	0.0500	1	02/29/24	03/06/24	
Total Xylenes	ND	0.0250	1	02/29/24	03/06/24	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2409070
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/29/24	03/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.2 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2410040
Diesel Range Organics (C10-C28)	72.4	25.0	1	03/05/24	03/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/05/24	
Surrogate: n-Nonane		89.6 %	50-200	03/05/24	03/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2409074
Chloride	170	20.0	1	02/29/24	03/01/24	

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 05 3 3 E402287-02

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2409070
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0500	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
	95.6 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2409070
ND	20.0	1	02/29/24	03/06/24	
	88.9 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Analy	yst: KM		Batch: 2410040
49.6	25.0	1	03/05/24	03/05/24	
ND	50.0	1	03/05/24	03/05/24	
	87.8 %	50-200	03/05/24	03/05/24	
mg/kg	mg/kg	Analy	yst: DT		Batch: 2409074
ND	20.0	1	02/29/24	03/01/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 49.6 ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 88.9 % mg/kg mg/kg mg/kg 49.6 25.0 ND 50.0 87.8 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Analy ND 20.0 1 88.9 % 70-130 mg/kg mg/kg Analy 49.6 25.0 1 ND 50.0 1 87.8 % 50-200 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0500 1 02/29/24 ND 0.0250 1 02/29/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 mg/kg mg/kg Analyst: KM 49.6 25.0 1 03/05/24 ND 50.0 1 03/05/24 ND 50.0 1 03/05/24 mg/kg mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0500 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 MD 0.0250 1 02/29/24 03/06/24 Mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 03/06/24 Mg/kg mg/kg Analyst: KM 49.6 25.0 1 03/05/24 03/05/24 ND 50.0 1 03/05/24 03/05/24 ND 50.0 1 03/05/24 03/05/24 Mg/kg Mg/kg Analyst: DT 03/05/24 03/05/24



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 06 3 3 E402287-03

	L102207 05				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2409070
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0500	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
	95.3 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2409070
ND	20.0	1	02/29/24	03/06/24	
	87.6 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2410040
ND	25.0	1	03/05/24	03/05/24	
ND	50.0	1	03/05/24	03/05/24	
	91.5 %	50-200	03/05/24	03/05/24	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2409074
ND	20.0	1	02/29/24	03/01/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 87.6 % mg/kg ND 25.0 ND 50.0 91.5 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 95.3 % 70-130 mg/kg mg/kg Analy ND 20.0 1 87.6 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 91.5 % 50-200 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0500 1 02/29/24 ND 0.0250 1 02/29/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/05/24 ND 50.0 1 03/05/24 ND 50.0 1 03/05/24 Mg/kg mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0500 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 MD 0.0250 1 02/29/24 03/06/24 MD 0.0250 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 03/06/24 Mg/kg mg/kg Analyst: KM ND 25.0 1 03/05/24 03/05/24 ND 50.0 1 03/05/24 03/05/24 ND 50.0 1 03/05/24 03/05/24 <

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 07 2 2 E402287-04

Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2409070
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0500	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
	94.4 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2409070
ND	20.0	1	02/29/24	03/06/24	
	88.6 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2410040
54.4	25.0	1	03/05/24	03/05/24	
53.5	50.0	1	03/05/24	03/05/24	
	94.3 %	50-200	03/05/24	03/05/24	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2409074
39.5	20.0	1	02/29/24	03/01/24	
	mg/kg ND ND ND ND ND ND ND ND ND SSSSSSSSSSS	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 94.4 % mg/kg ND 20.0 88.6 % mg/kg 54.4 25.0 53.5 50.0 94.3 % mg/kg mg/kg mg/kg	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 94.4 % 70-130 mg/kg mg/kg Ana ND 20.0 1 88.6 % 70-130 1 mg/kg mg/kg Ana 54.4 25.0 1 53.5 50.0 1 94.3 % 50-200 mg/kg Mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0500 1 02/29/24 ND 0.0250 1 02/29/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 mg/kg mg/kg Analyst: KM 54.4 25.0 1 03/05/24 53.5 50.0 1 03/05/24 mg/kg mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0500 1 02/29/24 03/06/24 ND 0.0500 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: KM 54.4 25.0 1 03/05/24 03/05/24 53.5 50.0 1 03/05/24 03/05/24 mg/kg mg/kg Analyst: DT 03/05/24



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 08 2 2 E402287-05

	L102207 03				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2409070
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0500	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
	95.3 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2409070
ND	20.0	1	02/29/24	03/06/24	
	89.8 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2410040
50.8	25.0	1	03/05/24	03/05/24	
ND	50.0	1	03/05/24	03/05/24	
	90.3 %	50-200	03/05/24	03/05/24	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2409074
57.3	20.0	1	02/29/24	03/01/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 50.8 ND	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 MD 20.0250 89.8 % mg/kg mg/kg mg/kg 50.8 25.0 ND 50.0 90.3 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 95.3 % 70-130 mg/kg mg/kg Analy ND 20.0 1 89.8 % 70-130 mg/kg mg/kg Analy 50.8 25.0 1 ND 50.0 1 90.3 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0500 1 02/29/24 ND 0.0250 1 02/29/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 mg/kg mg/kg Analyst: KM 50.8 25.0 1 03/05/24 ND 50.0 1 03/05/24 ND 50.0 1 03/05/24 mg/kg mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0500 1 02/29/24 03/06/24 ND 0.0500 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: KM 50.8 25.0 1 03/05/24 03/05/24 ND 50.0 1 03/05/24 03/05/24 ND 50.0 1 03/05/24 03/05/24



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 09 2 2 E402287-06

		E402207-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Analyst: BA		Batch: 2409070
Benzene	ND	0.0250	1	02/29/24	03/06/24	
Ethylbenzene	ND	0.0250	1	02/29/24	03/06/24	
Toluene	ND	0.0250	1	02/29/24	03/06/24	
o-Xylene	ND	0.0250	1	02/29/24	03/06/24	
p,m-Xylene	ND	0.0500	1	02/29/24	03/06/24	
Total Xylenes	ND	0.0250	1	02/29/24	03/06/24	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2409070
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/29/24	03/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.4 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410040
Diesel Range Organics (C10-C28)	43.4	25.0	1	03/05/24	03/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/05/24	
Surrogate: n-Nonane		92.7 %	50-200	03/05/24	03/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2409074
Chloride	70.2	20.0	1	02/29/24	03/01/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 10 2 2 E402287-07

Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst: BA			Batch: 2409070
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0500	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
	102 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Analyst: BA			Batch: 2409070
ND	20.0	1	02/29/24	03/06/24	
	87.6 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Analyst: KM			Batch: 2410040
188	125	5	03/05/24	03/05/24	
ND	250	5	03/05/24	03/05/24	
	91.5 %	50-200	03/05/24	03/05/24	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2409074
62.9	20.0	1	02/29/24	03/01/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 188 ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ID2 % mg/kg mg/kg mg/kg ND 20.0 87.6 % mg/kg I88 125 ND 250 91.5 % mg/kg mg/kg mg/kg	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0 1 87.6 % 70-130 mg/kg mg/kg Ana 188 125 5 ND 250 5 91.5 % 50-200 mg/kg mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0500 1 02/29/24 ND 0.0250 1 02/29/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 mg/kg mg/kg Analyst: KM 188 125 5 03/05/24 ND 250 5 03/05/24 ND 250 5 03/05/24 Mg/kg mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0500 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: KM 188 125 5 03/05/24 03/05/24 ND 250 5 03/05/24 03/05/24 ND 250 5 03/05/24 03/05/24 ND 250



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 11 3 3 E402287-08

		E-102207-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2409070
Benzene	ND	0.0250	1	02/29/24	03/06/24	
Ethylbenzene	ND	0.0250	1	02/29/24	03/06/24	
Toluene	ND	0.0250	1	02/29/24	03/06/24	
o-Xylene	ND	0.0250	1	02/29/24	03/06/24	
p,m-Xylene	ND	0.0500	1	02/29/24	03/06/24	
Total Xylenes	ND	0.0250	1	02/29/24	03/06/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2409070
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/29/24	03/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.7 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2410040
Diesel Range Organics (C10-C28)	61.9	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		92.2 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2409074
Chloride	74.7	20.0	1	02/29/24	03/01/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 12 3 3 E402287-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Analyst: BA		Batch: 2409070
Benzene	ND	0.0250	1	02/29/24	03/06/24	
Ethylbenzene	ND	0.0250	1	02/29/24	03/06/24	
Toluene	ND	0.0250	1	02/29/24	03/06/24	
o-Xylene	ND	0.0250	1	02/29/24	03/06/24	
p,m-Xylene	ND	0.0500	1	02/29/24	03/06/24	
Total Xylenes	ND	0.0250	1	02/29/24	03/06/24	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: BA		Batch: 2409070
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/29/24	03/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.1 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2410040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		86.2 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2409074
Chloride	45.8	20.0	1	02/29/24	03/01/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 13 3 3 E402287-10

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2409070
Benzene	ND	0.0250	1	02/29/24	03/06/24	
Ethylbenzene	ND	0.0250	1	02/29/24	03/06/24	
Toluene	ND	0.0250	1	02/29/24	03/06/24	
o-Xylene	ND	0.0250	1	02/29/24	03/06/24	
p,m-Xylene	ND	0.0500	1	02/29/24	03/06/24	
Total Xylenes	ND	0.0250	1	02/29/24	03/06/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2409070
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/29/24	03/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.9 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2410040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		89.4 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2409074
Chloride	383	20.0	1	02/29/24	03/01/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 14 3 3 E402287-11

		2.02207 11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2409070
Benzene	ND	0.0250	1	02/29/24	03/06/24	
Ethylbenzene	ND	0.0250	1	02/29/24	03/06/24	
Toluene	ND	0.0250	1	02/29/24	03/06/24	
o-Xylene	ND	0.0250	1	02/29/24	03/06/24	
o,m-Xylene	ND	0.0500	1	02/29/24	03/06/24	
Total Xylenes	ND	0.0250	1	02/29/24	03/06/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2409070
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/29/24	03/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.1 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2410040
Diesel Range Organics (C10-C28)	234	50.0	2	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	106	100	2	03/05/24	03/06/24	
Surrogate: n-Nonane		90.2 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2409074
Chloride	421	20.0	1	02/29/24	03/01/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 15 3 3 E402287-12

		E-102207-12				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2409070
Benzene	ND	0.0250	1	02/29/24	03/06/24	
Ethylbenzene	ND	0.0250	1	02/29/24	03/06/24	
Toluene	ND	0.0250	1	02/29/24	03/06/24	
o-Xylene	ND	0.0250	1	02/29/24	03/06/24	
p,m-Xylene	ND	0.0500	1	02/29/24	03/06/24	
Total Xylenes	ND	0.0250	1	02/29/24	03/06/24	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2409070
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/29/24	03/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.5 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2410040
Diesel Range Organics (C10-C28)	28.2	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		89.6 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2409074
Chloride	62.8	20.0	1	02/29/24	03/01/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 16 3 3 E402287-13

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2409070
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0500	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
	98.4 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2409070
ND	20.0	1	02/29/24	03/06/24	
	87.9 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2410040
ND	25.0	1	03/05/24	03/06/24	
ND	50.0	1	03/05/24	03/06/24	
	85.0 %	50-200	03/05/24	03/06/24	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2409074
42.4	20.0	1	02/29/24	03/01/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 98.4 % mg/kg MD 20.0 87.9 % mg/kg ND 25.0 ND 50.0 85.0 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Anal ND 20.0 1 87.9 % 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 85.0 % 50-200 mg/kg mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0500 1 02/29/24 ND 0.0250 1 02/29/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/05/24 ND 50.0 1 03/05/24 ND 50.0 1 03/05/24 85.0 % 50-200 03/05/24 mg/kg mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0500 1 02/29/24 03/06/24 ND 0.0500 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/05/24 03/06/24 ND 50.0 1 03/05/24 03/06/24 ND 50.0 1 03/05/24 03/06/24 ND 50.0 <



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 17 3 3 E402287-14

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2409070
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0500	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
	98.7 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2409070
ND	20.0	1	02/29/24	03/06/24	
	87.7 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2410040
28.7	25.0	1	03/05/24	03/06/24	
ND	50.0	1	03/05/24	03/06/24	
	91.0 %	50-200	03/05/24	03/06/24	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2409074
543	20.0	1	02/29/24	03/01/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 28.7 ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 98.7 % mg/kg MD 20.0 87.7 % mg/kg mg/kg mg/kg 28.7 25.0 ND 50.0 91.0 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 98.7 % 70-130 mg/kg mg/kg Anal ND 20.0 1 87.7 % 70-130 1 mg/kg mg/kg Anal 28.7 25.0 1 ND 50.0 1 91.0 % 50-200 mg/kg Mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0500 1 02/29/24 ND 0.0250 1 02/29/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 mg/kg mg/kg Analyst: KM 28.7 25.0 1 03/05/24 ND 50.0 1 03/05/24 ND 50.0 1 03/05/24 Mg/kg mg/kg Analyst: KM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0500 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: KM 28.7 25.0 1 03/05/24 03/06/24 ND 50.0 1 03/05/24 03/06/24 ND 50.0 1 03/05/24 03/06/24 ND 50.0



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 18 3 3 E402287-15

		E402207-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2409070
Benzene	ND	0.0250	1	02/29/24	03/06/24	
Ethylbenzene	ND	0.0250	1	02/29/24	03/06/24	
Toluene	ND	0.0250	1	02/29/24	03/06/24	
o-Xylene	ND	0.0250	1	02/29/24	03/06/24	
p,m-Xylene	ND	0.0500	1	02/29/24	03/06/24	
Total Xylenes	ND	0.0250	1	02/29/24	03/06/24	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2409070
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/29/24	03/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2410040
Diesel Range Organics (C10-C28)	63.8	50.0	2	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	100	2	03/05/24	03/06/24	
Surrogate: n-Nonane		87.9 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2409074
Chloride	485	20.0	1	02/29/24	03/01/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

FS 19 3 3 E402287-16

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: BA		Batch: 2409070
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0500	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
	98.6 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2409070
ND	20.0	1	02/29/24	03/06/24	
	89.1 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Analy	yst: KM		Batch: 2410040
115	25.0	1	03/05/24	03/06/24	
63.8	50.0	1	03/05/24	03/06/24	
	92.0 %	50-200	03/05/24	03/06/24	
mg/kg	mg/kg	Analy	yst: IY		Batch: 2409074
489	20.0	1	02/29/24	03/01/24	
	mg/kg ND ND ND ND ND ND ND ND The state of t	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MB/kg mg/kg MB/kg mg/kg MB/kg mg/kg 115 25.0 63.8 50.0 92.0 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 98.6 % 70-130 mg/kg mg/kg Analy ND 20.0 1 89.1 % 70-130 mg/kg mg/kg Analy 115 25.0 1 63.8 50.0 1 92.0 % 50-200 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0500 1 02/29/24 ND 0.0250 1 02/29/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 mg/kg mg/kg Analyst: KM 115 25.0 1 03/05/24 63.8 50.0 1 03/05/24 mg/kg mg/kg Analyst: IY	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0500 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: KM 115 25.0 1 03/05/24 03/06/24 mg/kg 50.0 1 03/05/24 03/06/24 mg/kg mg/kg Analyst: KM 03/06/24



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

W-SW-01 0 3

		E402287-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2409070
Benzene	ND	0.0250	1	02/29/24	03/06/24	
Ethylbenzene	ND	0.0250	1	02/29/24	03/06/24	
Toluene	ND	0.0250	1	02/29/24	03/06/24	
o-Xylene	ND	0.0250	1	02/29/24	03/06/24	
p,m-Xylene	ND	0.0500	1	02/29/24	03/06/24	
Total Xylenes	ND	0.0250	1	02/29/24	03/06/24	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2409070
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/29/24	03/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.7 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2410040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		87.2 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2409074
Chloride	ND	20.0	1	02/29/24	03/01/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

N-SW-02 0 3 E402287-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: BA		Batch: 2409070
Benzene	ND	0.0250	1	02/29/24	03/06/24	
Ethylbenzene	ND	0.0250	1	02/29/24	03/06/24	
Toluene	ND	0.0250	1	02/29/24	03/06/24	
o-Xylene	ND	0.0250	1	02/29/24	03/06/24	
p,m-Xylene	ND	0.0500	1	02/29/24	03/06/24	
Total Xylenes	ND	0.0250	1	02/29/24	03/06/24	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: BA		Batch: 2409070
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/29/24	03/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.2 %	70-130	02/29/24	03/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2410040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		89.5 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2409074
Chloride	ND	20.0	1	02/29/24	03/01/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

N-SW-01 0 3 E402287-19

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	rst: BA		Batch: 2409070
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
ND	0.0500	1	02/29/24	03/06/24	
ND	0.0250	1	02/29/24	03/06/24	
	98.0 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Analy	rst: BA		Batch: 2409070
ND	20.0	1	02/29/24	03/06/24	
	86.8 %	70-130	02/29/24	03/06/24	
mg/kg	mg/kg	Analy	st: KM		Batch: 2410040
ND	25.0	1	03/05/24	03/06/24	
ND	50.0	1	03/05/24	03/06/24	
	88.2 %	50-200	03/05/24	03/06/24	
mg/kg	mg/kg	Analy	rst: IY		Batch: 2409074
ND	20.0	1	02/29/24	03/01/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MB/kg mg/kg MB/kg mg/kg ND 20.0 86.8 % mg/kg ND 25.0 ND 50.0 88.2 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 MB/kg mg/kg Analy ND 20.0 1 86.8 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 88.2 % 50-200 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0250 1 02/29/24 ND 0.0500 1 02/29/24 ND 0.0250 1 02/29/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/05/24 ND 50.0 1 03/05/24 ND 50.0 1 03/05/24 Mg/kg mg/kg Analyst: KM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0500 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 ND 0.0250 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/29/24 03/06/24 mg/kg mg/kg Analyst: KM ND 25.0 1 03/05/24 03/06/24 ND 25.0 1 03/05/24 03/06/24 ND 50.0 1 03/05/24 03/06/24 ND 50.0 1 03/05/24 03/06/24 ND 50.0 1 03/05/24 03/06/24 N



QC Summary Data

Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Travis Casey 3/7/2024 1:52:50PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2409070-BLK1) Prepared: 02/29/24 Analyzed: 03/06/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.67 8.00 95.9 70-130 LCS (2409070-BS1) Prepared: 02/29/24 Analyzed: 03/06/24 5.13 103 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.95 0.0250 5.00 99.1 70-130 5.10 0.0250 5.00 102 70-130 Toluene o-Xylene 5.03 0.0250 5.00 101 70-130 10.1 10.0 101 70-130 0.0500 p.m-Xvlene 101 70-130 15.1 15.0 Total Xylenes 0.0250 8.00 96.6 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.73 Matrix Spike (2409070-MS1) Source: E402287-03 Prepared: 02/29/24 Analyzed: 03/06/24 5.21 0.0250 5.00 ND 54-133 Benzene ND 101 61-133 Ethylbenzene 5.04 0.0250 5.00 Toluene 5.18 0.0250 5.00 ND 104 61-130 ND 102 63-131 5.11 5.00 0.0250 o-Xylene p,m-Xylene 10.3 0.0500 10.0 ND 103 63-131 15.4 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.65 8.00 Matrix Spike Dup (2409070-MSD1) Source: E402287-03 Prepared: 02/29/24 Analyzed: 03/06/24 5.12 0.0250 5.00 ND 102 54-133 1.67 61-133 4.95 0.0250 5.00 ND 99.1 1.69 20 Ethylbenzene 61-130 Toluene 5.10 0.0250 5.00 ND 102 1.61 20 5.03 5.00 ND 101 63-131 1.59 20 o-Xylene 0.0250 1.57

10.0

15.0

8.00

0.0500

0.0250

ND

ND

101

101

95.5

63-131

63-131

70-130

1.57

20

20



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

10.1

15.1

7.64

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	·
Carlsbad NM, 87401	Project Manager:	Travis Casey	3/7/2024 1:52:50PM

Carlsbad NM, 87401		Project Manage	r: Tra	avis Casey				3/	7/2024 1:52:50PM	
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: BA	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2409070-BLK1)							Prepared: 0	2/29/24 Anal	yzed: 03/06/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		8.00		87.5	70-130				
LCS (2409070-BS2)							Prepared: 0	2/29/24 Anal	yzed: 03/06/24	
Gasoline Range Organics (C6-C10)	38.7	20.0	50.0		77.5	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		89.0	70-130				
Matrix Spike (2409070-MS2)				Source:	E402287-	03	Prepared: 0	2/29/24 Anal	yzed: 03/06/24	
Gasoline Range Organics (C6-C10)	39.6	20.0	50.0	ND	79.2	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.5	70-130				
Matrix Spike Dup (2409070-MSD2)				Source:	E402287-	03	Prepared: 0	2/29/24 Anal	yzed: 03/06/24	
Gasoline Range Organics (C6-C10)	39.3	20.0	50.0	ND	78.6	70-130	0.765	20		

8.00

7.18

89.7

70-130



QC Summary Data

TerraconProject Name:Leak #149Reported:4518 W. Pierce StProject Number:21102-0001Carlsbad NM, 87401Project Manager:Travis Casey3/7/2024 1:52:50PM

Carlsbad NM, 87401		Project Manage	r: Tra	avis Casey					3/7/2024 1:52:50PM
	Nonhal	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2410040-BLK1)							Prepared: 0	3/05/24 An	alyzed: 03/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	44.3		50.0		88.7	50-200			
CS (2410040-BS1)							Prepared: 0	3/05/24 An	alyzed: 03/05/24
Diesel Range Organics (C10-C28)	256	25.0	250		102	38-132			
urrogate: n-Nonane	46.7		50.0		93.3	50-200			
Matrix Spike (2410040-MS1)				Source:	E402287-	03	Prepared: 0	3/05/24 An	alyzed: 03/05/24
Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	38-132			
urrogate: n-Nonane	49.7		50.0		99.4	50-200			
Matrix Spike Dup (2410040-MSD1)				Source:	E402287-0	03	Prepared: 0	3/05/24 An	alyzed: 03/05/24
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.1	38-132	9.28	20	
urrogate: n-Nonane	43.9		50.0		87.7	50-200			

QC Summary Data

Terracon 4518 W. Pierce St		Project Name: Project Number:		eak #149 1102-0001					Reported:
Carlsbad NM, 87401		Project Manager:		ravis Casey					3/7/2024 1:52:50PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2409074-BLK1)							Prepared: 0	2/29/24 A	nalyzed: 03/01/24
Chloride	ND	20.0							
LCS (2409074-BS1)							Prepared: 0	2/29/24 A	nalyzed: 03/01/24
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2409074-MS1)				Source:	E402287-	05	Prepared: 0	2/29/24 A	nalyzed: 03/01/24
Chloride	312	20.0	250	57.3	102	80-120			
Matrix Spike Dup (2409074-MSD1)				Source:	E402287-	05	Prepared: 0	2/29/24 A	nalyzed: 03/01/24
Chloride	315	20.0	250	57.3	103	80-120	0.979	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

ſ	Terracon	Project Name:	Leak #149	
l	4518 W. Pierce St	Project Number:	21102-0001	Reported:
١	Carlsbad NM, 87401	Project Manager:	Travis Casey	03/07/24 13:52

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



CHAIN OF CUSTOCY RECORD

5	THE MANAGEMENT			Pag	e of
lerra	Address:		ANALYSIS REQUEST	LAB USE ONLYDUE DATE:	
Office Legation	St Carlsbad NM, 88220 Phone: <u>80</u>	06 507 7057	Chloride (EPA Method 300) TPH Extended 8015 BTEX (EPA Method 8021B)		
Project Number Pr	roject Name	No. Type of Containers	(EPA noded a Met		0:22:02
KH247005 Xi tem Date Time & g g g g g	Leak #149 Identifying Marks of Sample(s)	End End Depth 4 oz Glass 2 oz Glass 250 ml Poly	Chloride (EPA Meth TPH Extended 8015 BTEX (EPA Method	Lab Sample ID	32 AM
2:18 2:19 2:19 2:22 2:17 2:39 5:46 4:42 4:45 4:48	S O U U S O O O O O O O O O	- L		2 3 4 5 6 7 8 9 10 11 12 13 14	
2:52 2:56 N 3:01	ormal 48-Hour Rush Date: Time: Received by Signature 19 19 19 19 19 19 19 19 19 19 19 19 19	TRRP Laboratory Review Checklist	D:II =	(6 17 18 19	
Relinquished by (Signature) Relinguished by (Signature) TEMP OF COOLER WHEN RECEIVED (oC)	Date: 2/28 Date: 7 Time: Received by Signate: 7 Time: 7 Time: Received by (Signate: 7 Time: 7 Received by (Signate: 8 Received by (Signate: 8 Received by (Signate: 8 Received by (Signate: 9 Receive	2 · 28 · 2 · 2 · 2 · 2 · 2 · 2 · 2 · 2 ·	1022 Targa	e-mail results to: joseph.guesnier@terraconc.om travis.casey@terracon.com mike.adams@terracon.com beckysue.miller@terracon.com gus. Sanche a @terracon.com	
	- Water S - Soil L - Liquid A - Air Bag C - C Amber G 250 ml = Glass wide mou P/O - Plastic or Lubbock Office ■ 5827 5		k, Texas 79424 m 806-3	00-0140	rase
		Page 30 of 31			rage 3/8 of 453

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Printed: 2/29/2024 10:21:07AM

Instructions: Please take note of any NO checkmarks.

	If we receive no response concerning these items with	in 24 hours of the date of this notice, a	all the samples will be analyzed as requested.
--	---	---	--

h.guesnier@terracon.com dv (COC) ple ID match the COC? ther of samples per sampling site location mate complete, i.e., signatures, dates/times, request ples received within holding time? Analysis, such as pH which should be conducted in minute hold time, are not included in this disuession		02/28/24 1 03/06/24 1 Yes Yes Yes Yes	16:15 17:00 (4 day TAT) 	Courier	Logged In By:	Alexa Michaels	
dy (COC) ple ID match the COC? ther of samples per sampling site location mate s dropped off by client or carrier? complete, i.e., signatures, dates/times, request ples received within holding time? Analysis, such as pH which should be conducted in	ch the COC	Yes Yes Yes		Courier	.,		
ple ID match the COC? there of samples per sampling site location mates a dropped off by client or carrier? Complete, i.e., signatures, dates/times, request ples received within holding time? Analysis, such as pH which should be conducted in		Yes Yes	Carrier: <u>C</u>	<u>Courier</u>			
ple ID match the COC? there of samples per sampling site location mates a dropped off by client or carrier? Complete, i.e., signatures, dates/times, request ples received within holding time? Analysis, such as pH which should be conducted in		Yes Yes	Carrier: <u>C</u>	Courier			
ther of samples per sampling site location mate s dropped off by client or carrier? Complete, i.e., signatures, dates/times, request ples received within holding time? Analysis, such as pH which should be conducted in		Yes Yes	Carrier: <u>C</u>	Courier			
s dropped off by client or carrier? complete, i.e., signatures, dates/times, request ples received within holding time? Analysis, such as pH which should be conducted in		Yes	Carrier: C	Courier			
ples received within holding time? Analysis, such as pH which should be conducted in	ted analyses?	Yes	_				
Analysis, such as pH which should be conducted in							
2 HILLS HOLE HALE, 410 HOL HICKAGO HI HALE		Yes			Commen	ts/Resolution	
round Time (TAT)							
indicate standard TAT, or Expedited TAT?		Yes					
-							
-		Yes					
• •		Yes					
ly/security seals present?		No					
custody/security seals intact?		NA					
Thermal preservation is not required, if samples are		Yes					
• •	temperature: 4°C	<u>⊇</u>					
<u>ner</u>							
s VOC samples present?		No					
imples collected in VOA Vials?		NA					
space less than 6-8 mm (pea sized or less)?		NA					
lank (TB) included for VOC analyses?		NA					
<u>-</u>		Yes					
riate volume/weight or number of sample contain	ers collected?	Yes					
•	mation:	37					
		103					
	eserved?	No					
s) correctly preserved?		NA					
tion required and/or requested for dissolved m	etals?	No					
	e?	No					
the COC specify which phase(s) is to be analy-	zed?	NA					
aboratory							
	y?	No					
- -		NA	Subcontract Lab	: NA			
<u>tion</u>							
	custody/security seals intact? le received on ice? If yes, the recorded temp is 4°C, is Thermal preservation is not required, if samples are tes of sampling ice, record the temperature. Actual sample ice, record the temperature. Actual sample is NOC samples present? Imples collected in VOA Vials? Imples collected in VOA Vials? Imples collected in VOC analyses? In analyses? In analyses collected in the correct containers? In analyse collected in the correct containers? In analyse is an one of sample containers? In analyse is an one containers? In analyse is analyse is an one containers? In analyse is an one containers? In analyse is an one containers? In analyse is an one containers? In analyse is an one containers? In analyse is an one containers? In analyse is an one containers? In analyse is an one containers? In analyse is an one containers? In analyse is an one containers? In analyse is an one containers in an one containers? 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S VOC samples present? comples collected in VOA Vials? comples collected in VOA vials? comples collected in the correct containers? comples collected in the correct containers? contained volume/weight or number of sample containers collected? comples ample labels filled out with the minimum information: ID? me Collected? correctly preserved? tion required and/or requested for dissolved metals? mple Matrix mple have more than one phase, i.e., multiphase? the COC specify which phase(s) is to be analyzed? aboratory is required to get sent to a subcontract laboratory? contract laboratory specified by the client and if so who?	soler received in good condition? Yes ple(s) received intact, i.e., not broken? Sysecurity seals present? Sysecurity seals present? Sysecurity seals intact? No custody/security seals intact? No custody/security seals intact? No custody/security seals intact? No custody/security seals intact? Yes custody/security seals intact? No custody/security seals intact? Yes custody/security seals intact? Yes custody/security seals intact? No custody/security seals intact? Yes custody/security seals intact? Yes custody/security seals intact? Yes custody/security seals intact? No mere coilected in fector received w/i 15 No maple samples present? No custody/security seals intact? Yes custody/security seals intact? Yes custody/security seals intact? No maple labels file temperature. No maple Matrix mple have more than one phase, i.e., multiphase? No maple Matrix In custody/security seals intact? No matrical laboratory? In custody/security seals intact? No matrical laboratory? No matrical laboratory specified by the client and if so who?	pole received in good condition? Pes pole (s) received intact, i.e., not broken? Pes ply/security seals present? No custody/security seals present? Pes custody/security seals intact? No le received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Thermal preservation is not required, if samples are received w/i 15 tes of sampling ice, record the temperature. Actual sample temperature: Per Per Per Per Per Per Per Per Per Pe	pole received in good condition? Pes pole(s) received intact, i.e., not broken? Pyes ply/security seals present? Pole(s) received intact, i.e., not broken? Pyes ply/security seals present? No custody/security seals intact? NA Re received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Thermal preservation is not required, if samples are received w/i 15 tes of sampling ice, record the temperature. Actual sample temperature: 4°C mer ser ser so VOC samples present? mples collected in VOA Vials? NA ppace less than 6-8 mm (pea sized or less)? NA plank (TB) included for VOC analyses? NA NC samples collected in the correct containers? riate volume/weight or number of sample containers collected? Tyes mer mer so Collected? Yes mample labels filled out with the minimum information: ID? me Collected? Yes pation Co or field labels indicate the samples were preserved? No s) correctly preserved? NA tion required and/or requested for dissolved metals? No mple Matrix mple have more than one phase, i.e., multiphase? No the COC specify which phase(s) is to be analyzed? NA subcontract Lab: NA Subcontract Lab: NA	soler received in good condition? Sole(s) received intact, i.e., not broken? No Custody/security seals present? No Interest on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Thermal preservation is not required, if samples are received w/i 15 tes of sampling ice, record the temperature. Actual sample temperature: 4°C Interest of sampling ice, record the temperature. Actual sample temperature: 4°C Interest of samples present? Interest on No No Interest of No No No Interest of No Interest of No Interest of No Interest of No Interest of No Interest of No Interest of No Interest	soler received in good condition? Yes Ide(s) received intact, i.e., not broken? Yes Idy/security seals present? No custody/security seals intact? Ide received on ice? If yes, the recorded temp is 4°C, i.e., 6°42°C Yes Thermal preservation is not required, if samples are received wi 15 tes of sampling ice, record the temperature. Actual sample temperature: 4°C Imples collected in VOA Vials? No mples collected in VOA Vials? NA NA NA NA NA NA NA NA NA N

Report to:
Gus Sanchez







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Terracon

Project Name: Leak #149

Work Order: E406049

Job Number: 21102-0001

Received: 6/6/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/14/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/14/24

Gus Sanchez 4518 W. Pierce St Carlsbad, NM 87401

Project Name: Leak #149 Workorder: E406049

Date Received: 6/6/2024 9:00:56AM

Gus Sanchez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/6/2024 9:00:56AM, under the Project Name: Leak #149.

The analytical test results summarized in this report with the Project Name: Leak #149 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Cell: 775-287-1762

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Sample Summary

Terracon	Project Name:	Leak #149	Donoutoda
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	06/14/24 12:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS-27 6-6	E406049-01A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-28 6-6	E406049-02A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-29 5-5	E406049-03A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-30 5-5	E406049-04A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-31 5-5	E406049-05A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-32 5-5	E406049-06A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-33 5-5	E406049-07A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-34 5-5	E406049-08A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-35 5-5	E406049-09A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-36 5-5	E406049-10A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-37 5-5	E406049-11A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-38 5-5	E406049-12A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-39 5-5	E406049-13A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-40 5-5	E406049-14A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-41 5-5	E406049-15A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-42 5-5	E406049-16A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-43 5-5	E406049-17A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-44 5-5	E406049-18A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-45 5-5	E406049-19A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-46 5-5	E406049-20A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-47 5-5	E406049-21A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.
FS-48 5-5	E406049-22A	Soil	06/03/24	06/06/24	Glass Jar, 2 oz.



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-27 6-6 E406049-01

		E406049-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dilution	Frepared	Anaryzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2423107
Benzene	ND	0.0250	1	06/06/24	06/12/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/12/24	
Toluene	ND	0.0250	1	06/06/24	06/12/24	
o-Xylene	ND	0.0250	1	06/06/24	06/12/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/12/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/12/24	
Surrogate: 4-Bromochlorobenzene-PID		90.8 %	70-130	06/06/24	06/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2423107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	06/06/24	06/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2424036
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/13/24	
Surrogate: n-Nonane		118 %	50-200	06/11/24	06/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2424025
Chloride	1440	20.0	1	06/10/24	06/11/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-28 6-6 E406049-02

	E-1000-17 02				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2423107
ND	0.0250	1	06/06/24	06/12/24	
ND	0.0250	1	06/06/24	06/12/24	
ND	0.0250	1	06/06/24	06/12/24	
ND	0.0250	1	06/06/24	06/12/24	
ND	0.0500	1	06/06/24	06/12/24	
ND	0.0250	1	06/06/24	06/12/24	
	91.3 %	70-130	06/06/24	06/12/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2423107
ND	20.0	1	06/06/24	06/12/24	
	110 %	70-130	06/06/24	06/12/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2424036
ND	25.0	1	06/11/24	06/13/24	
ND	50.0	1	06/11/24	06/13/24	
	116 %	50-200	06/11/24	06/13/24	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2424025
884	20.0	1	06/10/24	06/11/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MB/kg mg/kg MD 20.0 110 % mg/kg ND 25.0 ND 50.0 116 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 91.3 % 70-130 mg/kg mg/kg Anal ND 20.0 1 110 % 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 116 % 50-200 mg/kg Mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/06/24 ND 25.0 1 06/11/24 ND 50.0 1 06/11/24 ND 50.0 1 06/11/24 Mg/kg mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 06/12/24 ND 0.0250 1 06/06/24 06/12/24 ND 0.0250 1 06/06/24 06/12/24 ND 0.0500 1 06/06/24 06/12/24 ND 0.0250 1 06/06/24 06/12/24 ND 0.0250 1 06/06/24 06/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 06/13/24 ND 50.0 1 06/11/24 06/13/24 ND 50.0 1 06/11/24 06/13/24



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-29 5-5 E406049-03

		E400047-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2423107
Benzene	ND	0.0250	1	06/06/24	06/12/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/12/24	
Toluene	ND	0.0250	1	06/06/24	06/12/24	
o-Xylene	ND	0.0250	1	06/06/24	06/12/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/12/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/12/24	
Surrogate: 4-Bromochlorobenzene-PID		90.9 %	70-130	06/06/24	06/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: BA		Batch: 2423107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	06/06/24	06/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2424036
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/13/24	
Surrogate: n-Nonane		112 %	50-200	06/11/24	06/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2424025
Chloride	911	20.0	1	06/10/24	06/11/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-30 5-5 E406049-04

		E-1000-17 0-1				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2423107
Benzene	ND	0.0250	1	06/06/24	06/12/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/12/24	
Toluene	ND	0.0250	1	06/06/24	06/12/24	
o-Xylene	ND	0.0250	1	06/06/24	06/12/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/12/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/12/24	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	06/06/24	06/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2423107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	06/06/24	06/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2424036
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/13/24	
Surrogate: n-Nonane		115 %	50-200	06/11/24	06/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2424025
Chloride	405	20.0	1	06/10/24	06/12/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-31 5-5 E406049-05

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg mg/kg Analyst: BA			Batch: 2423107		
ND	0.0250	1	06/06/24	06/12/24	
ND	0.0250	1	06/06/24	06/12/24	
ND	0.0250	1	06/06/24	06/12/24	
ND	0.0250	1	06/06/24	06/12/24	
ND	0.0500	1	06/06/24	06/12/24	
ND	0.0250	1	06/06/24	06/12/24	
	92.4 %	70-130	06/06/24	06/12/24	
mg/kg	mg/kg	Analy	rst: BA		Batch: 2423107
ND	20.0	1	06/06/24	06/12/24	
	111 %	70-130	06/06/24	06/12/24	
mg/kg	mg/kg	Analy	rst: NV		Batch: 2424036
ND	25.0	1	06/11/24	06/13/24	
ND	50.0	1	06/11/24	06/13/24	
	116 %	50-200	06/11/24	06/13/24	
mg/kg	mg/kg	Analy	rst: DT		Batch: 2424025
ND	20.0	1	06/10/24	06/12/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 111 % mg/kg MD 25.0 ND 50.0 116 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 92.4 % 70-130 mg/kg mg/kg Analy ND 20.0 1 111 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 116 % 50-200 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 ND 25.0 1 06/11/24 ND 50.0 1 06/11/24 ND 50.0 1 06/11/24 Mg/kg mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 06/12/24 ND 0.0500 1 06/06/24 06/12/24 ND 0.0250 1 06/06/24 06/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/12/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 06/13/24 ND 50.0 1 06/11/24 06/13/24 ND 50.0 1 06/11/24 06/13/24 Mg/kg mg/kg



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-32 5-5 E406049-06

		E400049-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: BA		Batch: 2423107
Benzene	ND	0.0250	1	06/06/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/13/24	
Toluene	ND	0.0250	1	06/06/24	06/13/24	
o-Xylene	ND	0.0250	1	06/06/24	06/13/24	
o,m-Xylene	ND	0.0500	1	06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2423107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2424036
Diesel Range Organics (C10-C28)	1550	500	20	06/11/24	06/13/24	
Oil Range Organics (C28-C36)	1430	1000	20	06/11/24	06/13/24	
Surrogate: n-Nonane		117 %	50-200	06/11/24	06/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2424025
Chloride	764	20.0	1	06/10/24	06/12/24	
Anions by EPA 300.0/9056A Chloride			Analys		06/12/24	Bat



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-33 5-5 E406049-07

	E-1000-17 07				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2423107
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0500	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
	93.0 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2423107
ND	20.0	1	06/06/24	06/13/24	
	110 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2424036
ND	25.0	1	06/11/24	06/13/24	
ND	50.0	1	06/11/24	06/13/24	
	111 %	50-200	06/11/24	06/13/24	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2424025
1090	20.0	1	06/10/24	06/12/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg Mg/kg mg/kg ND 20.0 110 % mg/kg ND 25.0 ND 50.0 111 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 93.0 % 70-130 mg/kg mg/kg Anal ND 20.0 1 110 % 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 111 % 50-200 mg/kg Mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg Analyst: BA ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 ND 50.0 1 06/11/24 ND 50.0 1 06/11/24 ND 50.0 1 06/11/24 ND 50.0 1 06/11/24 Mg/kg mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 06/13/24 ND 0.0500 1 06/06/24 06/13/24 ND 0.0250 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 06/13/24 ND 50.0 1 06/11/24 06/13/24 ND 50.0 1 06/11/24 06/13/24



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-34 5-5 E406049-08

		E-1000-17-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2423107
Benzene	ND	0.0250	1	06/06/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/13/24	
Toluene	ND	0.0250	1	06/06/24	06/13/24	
o-Xylene	ND	0.0250	1	06/06/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2423107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2424036
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/13/24	
Surrogate: n-Nonane		116 %	50-200	06/11/24	06/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2424025
Chloride	302	20.0	1	06/10/24	06/12/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-35 5-5 E406049-09

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2423107
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0500	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
	91.7 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2423107
ND	20.0	1	06/06/24	06/13/24	
	111 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Ana	lyst: NV		Batch: 2424036
ND	25.0	1	06/11/24	06/13/24	
ND	50.0	1	06/11/24	06/13/24	
	113 %	50-200	06/11/24	06/13/24	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2424025
216	20.0	1	06/10/24	06/12/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 MB/kg mg/kg MB/kg mg/kg ND 25.0 ND 50.0 113 % mg/kg mg/kg mg/kg	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 91.7 % 70-130 mg/kg mg/kg Ana ND 20.0 1 111 % 70-130 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 113 % 50-200 mg/kg mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 ND 50.0 1 06/11/24 ND 50.0 1 06/11/24 ND 50.0 1 06/11/24 ND 50.0 1 06/11/24 Mg/kg mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 06/13/24 ND 0.0500 1 06/06/24 06/13/24 ND 0.0250 1 06/06/24 06/13/24 Mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 Mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 Mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 06/13/24 ND 50.0 1 06/11/24 06/13/24 ND 50.0 1 06/11/24 06/13/24 Mg/kg mg/kg



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-36 5-5 E406049-10

Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2423107
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0500	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
	91.2 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2423107
ND	20.0	1	06/06/24	06/13/24	
	112 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Ana	lyst: NV		Batch: 2424036
ND	25.0	1	06/11/24	06/13/24	
ND	50.0	1	06/11/24	06/13/24	
	115 %	50-200	06/11/24	06/13/24	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2424025
192	20.0	1	06/10/24	06/12/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 112 % mg/kg MD 25.0 ND 50.0 115 % mg/kg mg/kg mg/kg	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 91.2 % 70-130 mg/kg mg/kg Ana ND 20.0 1 112 % 70-130 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 115 % 50-200 mg/kg Mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 ND 50.0 1 06/11/24 ND 50.0 1 06/11/24 Mg/kg mg/kg Analyst: DT Mg/kg	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 06/13/24 ND 0.0500 1 06/06/24 06/13/24 ND 0.0250 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 06/13/24 ND 50.0 1 06/11/24 06/13/24 ND 50.0 1 06/11/24 06/13/24 Mg/kg mg/kg



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-37 5-5 E406049-11

		2.00019 11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: BA		Batch: 2423107
Benzene	ND	0.0250	1	06/06/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/13/24	
Toluene	ND	0.0250	1	06/06/24	06/13/24	
o-Xylene	ND	0.0250	1	06/06/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2423107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2424036
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/13/24	
Surrogate: n-Nonane		115 %	50-200	06/11/24	06/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2424025
Chloride	43.5	20.0	1	06/10/24	06/12/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-38 5-5 E406049-12

E40047 12					
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2423107
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0500	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
	91.4 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2423107
ND	20.0	1	06/06/24	06/13/24	
	111 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2424036
ND	25.0	1	06/11/24	06/13/24	
ND	50.0	1	06/11/24	06/13/24	
	111 %	50-200	06/11/24	06/13/24	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2424025
ND	20.0	1	06/10/24	06/12/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 MD 20.0250 111 % mg/kg MD 25.0 ND 50.0 111 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 0.0250 1 Mg/kg mg/kg Anal ND 20.0 1 111 % 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 111 % 50-200 mg/kg mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg MS Analyst: BA ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/06/24 ND 25.0 1 06/11/24 ND 50.0 1 06/11/24 ND 50.0 1 06/11/24 mg/kg mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 06/13/24 ND 0.0250 1 06/06/24 06/13/24 ND 0.0250 1 06/06/24 06/13/24 ND 0.0500 1 06/06/24 06/13/24 ND 0.0250 1 06/06/24 06/13/24 ND 0.0250 1 06/06/24 06/13/24 Mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 06/13/24 ND 50.0 1 06/11/24 06/13/24 ND 50.0 1 06/11/24 06/13/24



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-39 5-5 E406049-13

	L-1000-17 15				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	Analyst: BA		Batch: 2423107
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0500	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
	91.6 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2423107
ND	20.0	1	06/06/24	06/13/24	
	112 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Ana	lyst: NV		Batch: 2424036
ND	25.0	1	06/11/24	06/14/24	
ND	50.0	1	06/11/24	06/14/24	
	114 %	50-200	06/11/24	06/14/24	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2424025
568	20.0	1	06/10/24	06/12/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.00 112 % mg/kg MD 25.0 ND 50.0 114 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 91.6% 70-130 mg/kg mg/kg Ana ND 20.0 1 112% 70-130 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 114% 50-200 mg/kg mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg Manalyst: BA ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 ND 50.0 1 06/11/24 ND 50.0 1 06/11/24 MD 50.0 1 06/11/24 Mg/kg mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 06/13/24 ND 0.0500 1 06/06/24 06/13/24 ND 0.0250 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 06/14/24 ND 50.0 1 06/11/24 06/14/24 ND 50.0 1 06/11/24 06/14/24



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-40 5-5 E406049-14

	E-1000-7-1-				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2423107
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0500	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
	92.1 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2423107
ND	20.0	1	06/06/24	06/13/24	
	112 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2424036
ND	25.0	1	06/11/24	06/14/24	
ND	50.0	1	06/11/24	06/14/24	
	111 %	50-200	06/11/24	06/14/24	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2424025
211	20.0	1	06/10/24	06/12/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 92.1 % mg/kg mg/kg ND 20.0 112 % mg/kg mg/kg ND 25.0 ND 50.0 111 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 In Mp/kg mg/kg Anal ND 20.0 1 In Mp/kg mg/kg Anal ND 25.0 1 ND 50.0 1 In Mp/kg mg/kg Anal Mp/kg Mp/kg Anal	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 ND 50.0 1 06/11/24 ND 50.0 1 06/11/24 Mg/kg mg/kg Analyst: DT	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 06/13/24 ND 0.0500 1 06/06/24 06/13/24 ND 0.0250 1 06/06/24 06/13/24 Mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 06/14/24 ND 50.0 1 06/11/24 06/14/24 ND 50.0 1 06/11/24 06/14/24



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-41 5-5 E406049-15

	E400047-13				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2423107
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0500	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
	91.9 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2423107
ND	20.0	1	06/06/24	06/13/24	
	111 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Ana	lyst: NV		Batch: 2424036
ND	25.0	1	06/11/24	06/14/24	
ND	50.0	1	06/11/24	06/14/24	
	111 %	50-200	06/11/24	06/14/24	
mg/kg	mg/kg	Anal	lyst: DT		Batch: 2424025
241	20.0	1	06/10/24	06/12/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 111 % mg/kg MD 25.0 ND 50.0 111 % mg/kg mg/kg mg/kg	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 91.9 % 70-130 mg/kg mg/kg Ana ND 20.0 1 111 % 70-130 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 111 % 50-200 mg/kg mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 ND 50.0 1 06/11/24 ND 50.0 1 06/11/24 ND 50.0 1 06/11/24 Mg/kg mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 06/13/24 ND 0.0500 1 06/06/24 06/13/24 ND 0.0250 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 06/14/24 ND 50.0 1 06/11/24 06/14/24 ND 50.0 1 06/11/24 06/14/24 Mg/kg mg/kg



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-42 5-5 E406049-16

		£400049-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Dilution	Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg mg/kg Analyst: BA			Batch: 2423107		
Benzene	ND	0.0250	1	06/06/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/13/24	
Toluene	ND	0.0250	1	06/06/24	06/13/24	
o-Xylene	ND	0.0250	1	06/06/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: BA		Batch: 2423107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2424036
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		104 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2424025
Chloride	246	20.0	1	06/10/24	06/12/24	



Sample Data

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-43 5-5

		E406049-17				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2423107
Benzene	ND	0.0250	1	06/06/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/13/24	
Toluene	ND	0.0250	1	06/06/24	06/13/24	
p-Xylene	ND	0.0250	1	06/06/24	06/13/24	
o,m-Xylene	ND	0.0500	1	06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2423107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: NV		Batch: 2424036
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		103 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: DT		Batch: 2424025
Chloride	ND	20.0	1	06/10/24	06/12/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-44 5-5 E406049-18

		E400049-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
· many c	Tresure		Bilation	Trepared	111111111111111111111111111111111111111	110100
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2423107
Benzene	ND	0.0250	1	06/06/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/06/24	06/13/24	
Toluene	ND	0.0250	1	06/06/24	06/13/24	
o-Xylene	ND	0.0250	1	06/06/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/06/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/06/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2423107
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	06/06/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2424036
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		104 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2424025
Chloride	78.5	20.0	1	06/10/24	06/12/24	



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-45 5-5 E406049-19

	E400047 17				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: BA		Batch: 2423107
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
ND	0.0500	1	06/06/24	06/13/24	
ND	0.0250	1	06/06/24	06/13/24	
	92.1 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Anal	Analyst: BA		Batch: 2423107
ND	20.0	1	06/06/24	06/13/24	
	111 %	70-130	06/06/24	06/13/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2424036
ND	25.0	1	06/11/24	06/14/24	
ND	50.0	1	06/11/24	06/14/24	
	107 %	50-200	06/11/24	06/14/24	
mg/kg	mg/kg	Anal	yst: DT		Batch: 2424025
64.7	20.0	1	06/10/24	06/12/24	
	mg/kg ND ND ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 111 % mg/kg ND 25.0 ND 50.0 107 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0 1 III % 70-130 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 107 % 50-200 mg/kg mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 ND 50.0 1 06/11/24 ND 50.0 1 06/11/24 Mg/kg mg/kg Analyst: DT	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 06/13/24 ND 0.0500 1 06/06/24 06/13/24 ND 0.0250 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/13/24 mg/kg mg/kg Analyst: NV ND 25.0 1 06/11/24 06/14/24 ND 50.0 1 06/11/24 06/14/24 ND 50.0 1 06/11/24 06/14/24 Mg/kg mg/kg



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-46 5-5 E406049-20

E400047-20										
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes				
maye	resuit	- Emili	Bilation	Trepured	7 Hary Zea	110105				
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2423107				
Benzene	ND	0.0250	1	06/06/24	06/13/24					
Ethylbenzene	ND	0.0250	1	06/06/24	06/13/24					
Toluene	ND	0.0250	1	06/06/24	06/13/24					
o-Xylene	ND	0.0250	1	06/06/24	06/13/24					
p,m-Xylene	ND	0.0500	1	06/06/24	06/13/24					
Total Xylenes	ND	0.0250	1	06/06/24	06/13/24					
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	06/06/24	06/13/24					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2423107				
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/24	06/13/24					
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %	70-130	06/06/24	06/13/24					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2424036				
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24					
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24					
Surrogate: n-Nonane		103 %	50-200	06/11/24	06/14/24					
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2424025				
Chloride	143	20.0	1	06/10/24	06/12/24					



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-47 5-5 E406049-21

Pacult	Reporting	Dil	ution	Propagad	Analyzad	Notes
Resuit	Limit	Dii	ution	Frepared	Anaryzeu	Notes
mg/kg	mg/kg		Analyst:	: BA		Batch: 2423109
ND	0.0250		1	06/06/24	06/12/24	
ND	0.0250		1	06/06/24	06/12/24	
ND	0.0250		1	06/06/24	06/12/24	
ND	0.0250		1	06/06/24	06/12/24	
ND	0.0500		1	06/06/24	06/12/24	
ND	0.0250		1	06/06/24	06/12/24	
·	111 %	70-130		06/06/24	06/12/24	
	90.9 %	70-130		06/06/24	06/12/24	
	105 %	70-130		06/06/24	06/12/24	
mg/kg	mg/kg		Analyst:	: BA		Batch: 2423109
ND	20.0		1	06/06/24	06/12/24	
	111 %	70-130		06/06/24	06/12/24	
	90.9 %	70-130		06/06/24	06/12/24	
	105 %	70-130		06/06/24	06/12/24	
mg/kg	mg/kg		Analyst:	: KM		Batch: 2424008
ND	25.0		1	06/10/24	06/11/24	
ND	50.0		1	06/10/24	06/11/24	
	118 %	50-200		06/10/24	06/11/24	
mg/kg	mg/kg		Analyst:	: WF		Batch: 2424017
ND	20.0		1	06/10/24	06/11/24	
	ND ND ND ND ND ND ND ND ND ND ND ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 III % 90.9 % 105 % mg/kg MD 20.0 III % 90.9 % 105 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0 I18 % mg/kg mg/kg mg/kg	Result Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 111 % 70-130 90.9 % 70-130 105 % 70-130 mg/kg mg/kg ND 20.0 111 % 70-130 90.9 % 70-130 105 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 1 90.9 % 70-130 70-130 mg/kg mg/kg Analyst ND 20.0 1 111 % 70-130 70-130 mg/kg mg/kg Analyst ND 25.0 1 ND 50.0 1 118 % 50-200 mg/kg Mg/kg Analyst	Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0500 1 06/06/24 ND 0.0250 1 06/06/24 ND 0.0250 1 06/06/24 90.9 % 70-130 06/06/24 90.9 % 70-130 06/06/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 90.9 % 70-130 06/06/24 90.9 % 70-130 06/06/24 105 % 70-130 06/06/24 105 % 70-130 06/06/24 mg/kg mg/kg Analyst: KM ND 25.0 1 06/10/24 ND 50.0 1 06/10/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 06/06/24 06/12/24 ND 0.0500 1 06/06/24 06/12/24 ND 0.0250 1 06/06/24 06/12/24 ND 0.0250 1 06/06/24 06/12/24 ND 70-130 06/06/24 06/12/24 90.9 % 70-130 06/06/24 06/12/24 mg/kg mg/kg Analyst: BA ND 20.0 1 06/06/24 06/12/24 90.9 % 70-130 06/06/24 06/12/24 90.9 % 70-130 06/06/24 06/12/24 105 % 70-130 06/06/24 06/12/24 mg/kg mg/kg



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

FS-48 5-5 E406049-22

		E400049-22					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Dilu	шоп	Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2423109
Benzene	ND	0.0250	1	1	06/06/24	06/12/24	
Ethylbenzene	ND	0.0250	1	1	06/06/24	06/12/24	
Toluene	ND	0.0250	1	1	06/06/24	06/12/24	
o-Xylene	ND	0.0250	1	1	06/06/24	06/12/24	
p,m-Xylene	ND	0.0500	1	1	06/06/24	06/12/24	
Total Xylenes	ND	0.0250	1	1	06/06/24	06/12/24	
Surrogate: Bromofluorobenzene		107 %	70-130		06/06/24	06/12/24	
Surrogate: 1,2-Dichloroethane-d4		90.5 %	70-130		06/06/24	06/12/24	
Surrogate: Toluene-d8		106 %	70-130		06/06/24	06/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2423109
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	06/06/24	06/12/24	
Surrogate: Bromofluorobenzene		107 %	70-130		06/06/24	06/12/24	
Surrogate: 1,2-Dichloroethane-d4		90.5 %	70-130		06/06/24	06/12/24	
Surrogate: Toluene-d8		106 %	70-130		06/06/24	06/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2424008
Diesel Range Organics (C10-C28)	61.1	25.0	1	1	06/10/24	06/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	06/10/24	06/11/24	
Surrogate: n-Nonane		115 %	50-200		06/10/24	06/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2424017
Chloride	82.3	20.0	1	1	06/10/24	06/11/24	



Total Xylenes

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

QC Summary Data

Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Gus Sanchez 6/14/2024 12:32:17PM Volatile Organic Compounds by EPA 8260B Analyst: BA Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2423109-BLK1) Prepared: 06/06/24 Analyzed: 06/12/24 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500

LCS (2423109-BS1)						Prepared: 06/06/24 Analyzed: 06/12/24
Benzene	2.16	0.0250	2.50	86.5	70-130	
Ethylhenzene	2 41	0.0250	2.50	96.4	70-130	

0.500

0.500

0.500

110

91.5

106

104

70-130

70-130

70-130

70-130

Toluene	2.40	0.0250	2.50	95.8	70-130	
o-Xylene	2.53	0.0250	2.50	101	70-130	
p,m-Xylene	5.04	0.0500	5.00	101	70-130	
Total Xylenes	7.57	0.0250	7.50	101	70-130	
Surrogate: Bromofluorobenzene	0.555		0.500	111	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500	93.9	70-130	
Surrogate: Toluene-d8	0.532		0.500	106	70-130	

0.0250

ND

0.550

0.458

0.528

Matrix Spike (2423109-MS1)					E406048-	04	Prepared: 06/06/24 Analyzed: 06/12/24
Benzene	2.16	0.0250	2.50	ND	86.4	48-131	
	2.44		2.50	3.15	05.6	45 105	

Ethylbenzene	2.44	0.0250	2.50	ND	97.6	45-135	
Toluene	2.40	0.0250	2.50	ND	96.0	48-130	
o-Xylene	2.63	0.0250	2.50	ND	105	43-135	
p,m-Xylene	5.23	0.0500	5.00	ND	105	43-135	
Total Xylenes	7.86	0.0250	7.50	ND	105	43-135	
Surrogate: Bromofluorobenzene	0.565		0.500		113	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130	

0.518

Matrix Spike Dup (2423109-MSD1)	Source: E406048-04			Prepared: 06/06/24 Analyzed: 06/12/24				
Benzene	2.14	0.0250	2.50	ND	85.5	48-131	1.14	23
Ethylbenzene	2.48	0.0250	2.50	ND	99.4	45-135	1.83	27
Coluene	2.44	0.0250	2.50	ND	97.7	48-130	1.75	24
-Xylene	2.63	0.0250	2.50	ND	105	43-135	0.152	27
,m-Xylene	5.25	0.0500	5.00	ND	105	43-135	0.391	27
Total Xylenes	7.88	0.0250	7.50	ND	105	43-135	0.210	27

0.500

Surrogate: Bromofluorobenzene 0.564 0.500 113 70-130 Surrogate: 1,2-Dichloroethane-d4 0.473 0.500 94.6 70-130 Surrogate: Toluene-d8 0.532 0.500 106 70-130

QC Summary Data

Leak #149 Terracon Project Name: Reported: 4518 W. Pierce St Project Number: 21102-0001 Carlsbad NM, 87401 Project Manager: Gus Sanchez 6/14/2024 12:32:17PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2423107-BLK1) Prepared: 06/06/24 Analyzed: 06/12/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.09 8.00 88.6 70-130 LCS (2423107-BS1) Prepared: 06/06/24 Analyzed: 06/12/24 5.20 104 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.86 0.0250 5.00 97.1 70-130 5.10 0.0250 5.00 102 70-130 Toluene 99.0 o-Xylene 4.95 0.0250 5.00 70-130 9.98 10.0 99.8 70-130 0.0500 p.m-Xvlene 99.5 70-130 14.9 15.0 Total Xylenes 0.0250 8.00 88.7 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.10 Matrix Spike (2423107-MS1) Source: E406049-04 Prepared: 06/06/24 Analyzed: 06/12/24 5.02 0.0250 5.00 ND 54-133 Benzene 94.2 61-133 Ethylbenzene 4.71 0.0250 5.00 ND Toluene 4.93 0.0250 5.00 ND 98.7 61-130 4.79 ND 95.8 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.69 0.0500 10.0 ND 96.9 63-131 14.5 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.35 8.00 Matrix Spike Dup (2423107-MSD1) Source: E406049-04 Prepared: 06/06/24 Analyzed: 06/12/24 5.33 0.0250 5.00 ND 54-133 6.02 ND 61-133 5.00 0.0250 5.00 99.9 5.96 20 Ethylbenzene

5 24

5.09

10.3

15.4

7.30

0.0250

0.0250

0.0500

0.0250

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

105

102

103

103

91.3

61-130

63-131

63-131

63-131

70-130

5 97

6.01

5.98

5.99

20

20

20

20



Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

Analyst: BA

QC Summary Data

 Terracon
 Project Name:
 Leak #149
 Reported:

 4518 W. Pierce St
 Project Number:
 21102-0001

 Carlsbad NM, 87401
 Project Manager:
 Gus Sanchez
 6/14/2024 12:32:17PM

Nonhalogenated Organics by EPA 8015D - GRO					

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423107-BLK1)							Prepared: 0	6/06/24 A	nalyzed: 06/12/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.71		8.00		109	70-130			
LCS (2423107-BS2)							Prepared: 0	6/06/24 A	nalyzed: 06/12/24
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.04		8.00		113	70-130			
Matrix Spike (2423107-MS2)				Source:	E406049-0	04	Prepared: 0	6/06/24 A	nalyzed: 06/12/24
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.89		8.00		111	70-130			
Matrix Spike Dup (2423107-MSD2)				Source:	E406049-0	04	Prepared: 0	6/06/24 A	nalyzed: 06/12/24
Gasoline Range Organics (C6-C10)	60.7	20.0	50.0	ND	121	70-130	11.9	20	

8.00

9.01

113

70-130



QC Summary Data

 Terracon
 Project Name:
 Leak #149
 Reported:

 4518 W. Pierce St
 Project Number:
 21102-0001

 Carlsbad NM, 87401
 Project Manager:
 Gus Sanchez
 6/14/2024 12:32:17PM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	resure				1100				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2423109-BLK1)							Prepared: 0	6/06/24 Ana	alyzed: 06/12/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.550		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.5	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			
LCS (2423109-BS2)							Prepared: 0	6/06/24 Ana	alyzed: 06/12/24
Gasoline Range Organics (C6-C10)	57.8	20.0	50.0		116	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.447		0.500		89.3	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			
Matrix Spike (2423109-MS2)				Source: E406048-04			Prepared: 0	6/06/24 Ana	alyzed: 06/12/24
Gasoline Range Organics (C6-C10)	57.9	20.0	50.0	ND	116	70-130			
Surrogate: Bromofluorobenzene	0.550		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.543		0.500		109	70-130			
Matrix Spike Dup (2423109-MSD2)				Source:	E406048-	04	Prepared: 0	6/06/24 Ana	alyzed: 06/12/24
Gasoline Range Organics (C6-C10)	59.3	20.0	50.0	ND	119	70-130	2.52	20	
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.459		0.500		91.7	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			



QC Summary Data

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

Carlsbad NM, 87401		Project Manage	r: Gı	is Sanchez				6.	/14/2024 12:32:17PI
	Nonhal	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2424008-BLK1)							Prepared: 0	6/10/24 An	alyzed: 06/11/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.9		50.0		114	50-200			
LCS (2424008-BS1)							Prepared: 0	6/10/24 An	alyzed: 06/11/24
Diesel Range Organics (C10-C28)	318	25.0	250		127	38-132			
Surrogate: n-Nonane	58.5		50.0		117	50-200			
Matrix Spike (2424008-MS1)				Source:	E406035-	03	Prepared: 0	6/10/24 An	alyzed: 06/11/24
Diesel Range Organics (C10-C28)	379	25.0	250	51.1	131	38-132			
Surrogate: n-Nonane	59.5		50.0		119	50-200			
Matrix Spike Dup (2424008-MSD1)				Source:	E406035-	03	Prepared: 0	6/10/24 An	alyzed: 06/11/24
Diesel Range Organics (C10-C28)	380	25.0	250	51.1	132	38-132	0.345	20	
Gurrogate: n-Nonane	58.8		50.0		118	50-200			



Surrogate: n-Nonane

QC Summary Data

 Terracon
 Project Name:
 Leak #149
 Reported:

 4518 W. Pierce St
 Project Number:
 21102-0001

 Carlsbad NM, 87401
 Project Manager:
 Gus Sanchez
 6/14/2024 12:32:17PM

Carlsbad NM, 87401		Project Manage	r: Gı	ıs Sanchez				6/14	1/2024 12:32:17PM
	Nonha	logenated Or	ganics by l	EPA 80151) - DRO	/ORO			Analyst: NV
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2424036-BLK1)							Prepared: 0	6/11/24 Analy	/zed: 06/13/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.1		50.0		114	50-200			
LCS (2424036-BS1)							Prepared: 0	6/11/24 Analy	zed: 06/13/24
Diesel Range Organics (C10-C28)	306	25.0	250		122	38-132			
Surrogate: n-Nonane	56.9		50.0		114	50-200			
Matrix Spike (2424036-MS1)				Source:	E406049-	11	Prepared: 0	6/11/24 Analy	zed: 06/13/24
Diesel Range Organics (C10-C28)	331	25.0	250	ND	132	38-132			
Surrogate: n-Nonane	59.6		50.0		119	50-200			
Matrix Spike Dup (2424036-MSD1)				Source:	E406049-	11	Prepared: 0	6/11/24 Analy	zed: 06/13/24
Diesel Range Organics (C10-C28)	327	25.0	250	ND	131	38-132	1.08	20	

50.0

120

50-200



QC Summary Data

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	•
Carlsbad NM, 87401	Project Manager:	Gus Sanchez	6/14/2024 12:32:17PM

	Anions by EPA 300.0/9056A								Analyst: WF		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2424017-BLK1)							Prepared: 0	6/10/24 Anal	yzed: 06/10/24		
Chloride	ND	20.0									
LCS (2424017-BS1)							Prepared: 0	6/10/24 Anal	yzed: 06/10/24		
71.1 1.1	240	20.0	250		00.5	00 110					

Chloride	249	20.0	230		99.3	90-110				
Matrix Spike (2424017-MS1)				Source:	E406064-0	2	Prepared: 06/	10/24 Analy	yzed: 06/10/24	
Chloride	289	20.0	250	37.1	101	80-120				
Matrix Spike Dup (2424017-MSD1)				Source:	E406064-0	2	Prepared: 06/	10/24 Analy	yzed: 06/10/24	
Chloride	289	20.0	250	37.1	101	80-120	0.0769	20		

Matrix Spike Dup (2424025-MSD1)

Chloride

1150

QC Summary Data

Terracon 4518 W. Pierce St		Project Name: Project Number		eak #149 1102-0001					Reported:
Carlsbad NM, 87401		Project Manage		us Sanchez				(5/14/2024 12:32:17PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2424025-BLK1)							Prepared: 0	6/10/24 An	nalyzed: 06/11/24
Chloride	ND	20.0							
LCS (2424025-BS1)							Prepared: 0	6/10/24 An	alyzed: 06/11/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2424025-MS1)				Source:	E406049-	03	Prepared: 0	6/10/24 An	nalyzed: 06/11/24
Chloride	1130	20.0	250	911	87.2	80-120			

250

20.0

Source: E406049-03

94.8

80-120

1.67

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Prepared: 06/10/24 Analyzed: 06/11/24

20

Definitions and Notes

ſ	Terracon	Project Name:	Leak #149	
l	4518 W. Pierce St	Project Number:	21102-0001	Reported:
l	Carlsbad NM, 87401	Project Manager:	Gus Sanchez	06/14/24 12:32

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



CHAIN OF CUSTODY RECORD

5									J.							Page	of
						Laboratory: E	110	100	1116	a		A 81/	NI VCI	IS REQUEST	LAB USE	ONLYDUE DATE:	
				acon		Laboratory.	70		100	44.0		AINA	ALTSI	IS REQUEST	-		
3	15			Explore with us		Address:	M#	-21	107	-000)(1				
Office I	Location	452	C M/ Dia	erce St Carlsbad NM		Phone:					76		-				
\$		432	O VV. PIE	erce St Carisbau Nivi	, 88220	Contact:					30		21B	1 1 1			
Projec	ct Manager		Jose	eph Guesnier		SRS #:			1		_ bot		80				
Samp	ler's Name		G	us Sanchez		Sampler's Signat	ure 🏃	1	81		let	8015	pou				
1											_ ≥	8 p	et				
Project	Number			Project Name				No. T	ype of	Containe	ers d	Extended	Σ				_
- × -	KH24	17005			Leak #149					_	ge (te	EP/	1 1			
Matrix	Date	Time		Identifyii	ng Marks of Sampl	e(s) Start	End	4 oz Glass	2 oz Glass	250 ml Poly	(EPA Method 300)	TPH E	BTE			Lab Sample ID	
S	6/3/2024	7:10	X		FS-27	6	6	X			Х	Х	X		1		
S S	6/3/2024	7:13	X		FS-28	6	6	X			X	X			2		
S	6/3/2024 6/3/2024	7:15 7:18	X		FS-29 FS-30	5	5	X			X	X			5		
S	6/3/2024	7:21	X		FS-31	5	5	X			X	X			5		
S	6/3/2024	7:24	X		FS-32	5	5	X			X	X			6		
S	6/3/2024	7:27	X		FS-33	5	5	X			X	X			7		
S	6/3/2024	7:29	X	War and the second	FS-34	5	5	X			X	X			8		77
S	6/3/2024	7:33	X		FS-35	5	5	X	- 1		X	X			9		<u> </u>
S	6/3/2024 6/3/2024	7:36 7:38	X		FS-36 FS-37	5	5	X			X	X			10		of 3
S	6/3/2024	7:41	X		FS-38	5	5	X			X	X			12		
S	6/3/2024	7:44	X		FS-39	5	5	X	_		X	X			13		37
S	6/3/2024	7:47	X		FS-40	5	5	X			X	X			14		Page
S	6/3/2024	7:50	X		FS-41	5	5	X			Х	X			15		9
S	6/3/2024 6/3/2024	7:53 7:55	X		FS-42 FS-43	5	5	X	-		X	X			19		
S	6/3/2024	7:58	X		FS-44	5	5	X			X	X			18		
S	6/3/2024	8:02	X		FS-45	5	5	X			X	X			19		
S	6/3/2024	8:05	X		FS-46	5	5	X			X	X			ZO		
S	6/3/2024	8:08	X		FS-47	5	5	X			Х	X			15		
S	6/3/2024	8:11	X		FS-48	5	5	X			X	X	X		22		
TURNA	ROUND TIME		6	Normal 48-Hou	ır Rush 24-Ho	ur Duch	TDDD	Labor	aton, P	eview Ch	ocklist			Yes N			
	ished by (Sig												_	Tes IV	,		
Keiniqu	LISTICAL BY (SIE	, ilajure,		Date:	Time: 5:10	Received by (Sign	(7)	man	jes	Date: 64-2	1 107	10		rga		e-mail results to:	
Rolinda	ished by #500	natúral	A	Date:		Received by (Sign		2.0		Date:	Tim		-	:: Amber Grov		joseph.guesnier@terraconc.om	
The state of the	ished by 15ig	Gons	ries	Date: 6-5.24	Time: 50	Received by (Sigi	iature)			6.5.8	16	50	Att	Alliber Grov	=5	travis.casey@terracon.com	
	ished by (Sig			Date:	Time:	Received by (Sign	atmrol	rii	-	Datto: I	_		┨			mike.adams@terracon.com	
1	H _	nature)		6.5.20	Time:	West of the state	Z e			Mathir	UTO	Y				beckysue.miller@terracon.com	
TEMP	OF COOLER				- 100	- Chr	1		- 1	10/10/14	- 1 1		+			gus.sanchez@terracon.com	
	RECEIVED (or															chuck.smith@terracon.com	
Matrix		WW-Waste	wate	W - Water S - :	Soil L - Liquid	A - Air Bag C - C	harcos	l tuhe	SI - SI	udge						chacksmithe terracon.com	
Contair				G - Amber © 250 ml				tube	JL - 31	uuge							
Contain				- /	31033 11100	., 5			- 2								
					Lubbock Off	ice = 5827 50t	h Stre	et, Su	ite 1	Lubb	ock, T	exas	5 794	424 8 806-3	00-0140		Ī.

Printed: 6/6/2024 6:14:20PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Terracon	Date Received:	06/06/24	09:00	Work Order ID:	E406049
Phone:	(806) 544-9276	Date Logged In:	06/05/24	20:39	Logged In By:	Alexa Michaels
Email:		Due Date:		17:00 (5 day TAT)		
Chain of	Custody (COC)					
1. Does t	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location ma	tch the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: C	Couier	
4. Was th	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in	n the field	Yes			
	i.e, 15 minute hold time, are not included in this disucssit				Commen	ts/Resolution
	Furn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes		Due to high sample vol	ume project Leak
Sample (103		#149 has been separate	= =
_	sample cooler received?		Yes		•	-
	was cooler received in good condition?		Yes		E406049 and E406051.	
	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
-	s, were custody/security seals intact?		NA			
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling	e received w/i 15	Yes			
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°	<u>'C</u>			
Sample (<u>Container</u>					
14. Are a	queous VOC samples present?		No			
15. Are V	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	a trip blank (TB) included for VOC analyses?		NA			
18. Are r	on-VOC samples collected in the correct containers	?	Yes			
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes			
Field La	<u>bel</u>					
	field sample labels filled out with the minimum info	ormation:	Yes			
	Date/Time Collected?		Yes	l		
	Collectors name?		Yes			
Sample 1	Preservation					
21. Does	the COC or field labels indicate the samples were pr	reserved?	No			
22. Are s	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multiph	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
	s, does the COC specify which phase(s) is to be analy		NA			
	ract Laboratory					
	amples required to get sent to a subcontract laborato	.m.r?	No			
	amples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and it	-	NA	Subcontract Lab	. N A	
		1 30 WHO:	1171	Subcontract Lab	. NA	
Client I	<u>nstruction</u>					
1						
Signa	ture of client authorizing changes to the COC or sample dis	position.			Date	envirotech Inc.

Report to:

Joseph Guesnier







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Terracon

Project Name: Leak #149

Work Order: E410048

Job Number: 21102-0001

Received: 10/7/2024

Revision: 0

Report Reviewed By:

Draft Walter Hinchman Laboratory Director 10/7/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/7/24

Joseph Guesnier 4518 W. Pierce St Carlsbad, NM 87401

Project Name: Leak #149 Workorder: E410048

Date Received: 10/7/2024 5:00:00AM

Joseph Guesnier,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/7/2024 5:00:00AM, under the Project Name: Leak #149.

The analytical test results summarized in this report with the Project Name: Leak #149 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Γ	Terracon	Project Name:	Leak #149	Donoutodi
١	4518 W. Pierce St	Project Number:	21102-0001	Reported:
l	Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	10/07/24 14:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
N-BF	E410048-01A	Soil	10/03/24	10/07/24	Glass Jar, 4 oz.
S-BF	E410048-02A	Soil	10/03/24	10/07/24	Glass Jar, 4 oz.



Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	10/7/2024 2:48:31PM

N-BF E410048-01

		E410048-01				
A. 1.	D. Iv	Reporting Limit	Dilution	D 1		N. A
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2441007
Benzene	ND	0.0250	1	10/07/24	10/07/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/07/24	
Coluene	ND	0.0250	1	10/07/24	10/07/24	
-Xylene	ND	0.0250	1	10/07/24	10/07/24	
,m-Xylene	ND	0.0500	1	10/07/24	10/07/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/07/24	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	10/07/24	10/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2441007
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.3 %	70-130	10/07/24	10/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2441003
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/24	10/07/24	
Dil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/07/24	
Surrogate: n-Nonane		104 %	50-200	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2441002
Chloride	ND	20.0	1	10/07/24	10/07/24	

Sample Data

Terracon	Project Name:	Leak #149	
4518 W. Pierce St	Project Number:	21102-0001	Reported:
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	10/7/2024 2:48:31PM

S-BF

		E410048-02				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2441007
Benzene	ND	0.0250	1	10/07/24	10/07/24	
Ethylbenzene	ND	0.0250	1	10/07/24	10/07/24	
Toluene	ND	0.0250	1	10/07/24	10/07/24	
o-Xylene	ND	0.0250	1	10/07/24	10/07/24	
p,m-Xylene	ND	0.0500	1	10/07/24	10/07/24	
Total Xylenes	ND	0.0250	1	10/07/24	10/07/24	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	10/07/24	10/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2441007
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/24	10/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	10/07/24	10/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2441003
Diesel Range Organics (C10-C28)	ND	25.0	1	10/07/24	10/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/07/24	10/07/24	
Surrogate: n-Nonane		98.9 %	50-200	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2441002
Chloride	ND	20.0	1	10/07/24	10/07/24	



Surrogate: 4-Bromochlorobenzene-PID

8.03

QC Summary Data

Leak #149 Terracon Project Name: Reported: 4518 W Pierce St 21102-0001

4518 W. Pierce St Carlsbad NM, 87401	Project Number: Project Manager:		102-0001 seph Guesnier					10/7/2024 2:48:31PM					
Volatile Organics by EPA 8021B													
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit					
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes				
Blank (2441007-BLK1)]	Prepared: 10	0/07/24 Ar	nalyzed: 10/07/24				
Benzene	ND	0.0250											
Ethylbenzene	ND	0.0250											
Toluene	ND	0.0250											
o-Xylene	ND	0.0250											
p,m-Xylene	ND	0.0500											
Total Xylenes	ND	0.0250											
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130							
LCS (2441007-BS1)						1	Prepared: 10	0/07/24 Ar	nalyzed: 10/07/24				
Benzene	5.44	0.0250	5.00		109	70-130							
Ethylbenzene	5.36	0.0250	5.00		107	70-130							
Toluene	5.43	0.0250	5.00		109	70-130							
o-Xylene	5.37	0.0250	5.00		107	70-130							
p,m-Xylene	10.9	0.0500	10.0		109	70-130							
Total Xylenes	16.3	0.0250	15.0		109	70-130							
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130							
LCS Dup (2441007-BSD1)						1	Prepared: 10	0/07/24 Ar	nalyzed: 10/07/24				
Benzene	4.57	0.0250	5.00		91.5	70-130	17.4	20					
Ethylbenzene	4.50	0.0250	5.00		90.0	70-130	17.5	20					
Toluene	4.56	0.0250	5.00		91.2	70-130	17.5	20					
o-Xylene	4.50	0.0250	5.00		89.9	70-130	17.7	20					
p,m-Xylene	9.18	0.0500	10.0		91.8	70-130	17.2	20					
Total Xylenes	13.7	0.0250	15.0		91.2	70-130	17.4	20					

8.00

70-130



QC Summary Data

Terracon	Project Name:	Leak #149	Reported:
4518 W. Pierce St	Project Number:	21102-0001	·
Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	10/7/2024 2:48:31PM

Carlsbad NM, 87401		Project Manager		seph Guesnier				1	0/7/2024 2:48:31PM
	Non	halogenated (Organics l	oy EPA 801:	5D - G	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2441007-BLK1)							Prepared: 1	0/07/24 An	alyzed: 10/07/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			
LCS (2441007-BS2)							Prepared: 10	0/07/24 An	alyzed: 10/07/24
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0		90.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			
LCS Dup (2441007-BSD2)							Prepared: 10	0/07/24 An	alyzed: 10/07/24
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0		96.8	70-130	7.08	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			

QC Summary Data

 Terracon
 Project Name:
 Leak #149
 Reported:

 4518 W. Pierce St
 Project Number:
 21102-0001

 Carlsbad NM, 87401
 Project Manager:
 Joseph Guesnier
 10/7/2024
 2:48:31PM

Carlsbad NM, 87401		Project Manage	r: Jos	seph Guesnie	r				10/7/2024 2:48:31PN				
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: NV													
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit					
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes				
Blank (2441003-BLK1)							Prepared: 1	0/07/24 Ar	nalyzed: 10/07/24				
Diesel Range Organics (C10-C28)	ND	25.0											
Dil Range Organics (C28-C36)	ND	50.0											
Surrogate: n-Nonane	53.9		50.0		108	50-200							
LCS (2441003-BS1)							Prepared: 1	0/07/24 Ar	nalyzed: 10/07/24				
Diesel Range Organics (C10-C28)	228	25.0	250		91.3	38-132							
Surrogate: n-Nonane	50.3		50.0		101	50-200							
Matrix Spike (2441003-MS1)				Source:	E410048-	01	Prepared: 1	0/07/24 Ar	nalyzed: 10/07/24				
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132							
Surrogate: n-Nonane	52.6		50.0		105	50-200							
Matrix Spike Dup (2441003-MSD1)				Source:	E410048-	01	Prepared: 1	0/07/24 Ar	nalyzed: 10/07/24				
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132	7.89	20					
Surrogate: n-Nonane	54.5		50.0		109	50-200							



QC Summary Data

Terracon 4518 W. Pierce St	Project Name:		eak #149 1102-0001					Reported:	
Carlsbad NM, 87401	Project Number: Project Manager:		oseph Guesnier				10/7/2024 2:48:31PM		
		Anions	by EPA	300.0/9056A					Analyst: WF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2441002-BLK1)							Prepared:	10/07/24	Analyzed: 10/07/24
Chloride	ND	20.0							
LCS (2441002-BS1)							Prepared:	10/07/24	Analyzed: 10/07/24
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2441002-MS1)				Source: E	410041-)1	Prepared:	10/07/24	Analyzed: 10/07/24
Chloride	386	200	250	ND	154	80-120			M6
Matrix Spike Dup (2441002-MSD1)				Source: E	410041-	01	Prepared:	10/07/24	Analyzed: 10/07/24
Chloride	390	200	250	ND	156	80-120	1.09	20	M6

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

ſ	Terracon	Project Name:	Leak #149	
l	4518 W. Pierce St	Project Number:	21102-0001	Reported:
l	Carlsbad NM, 87401	Project Manager:	Joseph Guesnier	10/07/24 14:48

M6 Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS

recoveries

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



CHAIN OF CUSTODY RECORD

7001 = 1000 + 5001

<u> </u>																	Page <u> </u> of <u> </u>
				200D	Laboratory	r:	7.					ANA	ALYS	IS REC	UEST	LA	B USE ONLYDUE DATE:
Proje	Location ect Manager		6 W. Pie Jose	Explore with us erce St Carlsbad NM, 88220 eph Guesnier	Address: Phone: Contact: SRS #:							Method 300) 8015	BTEX (EPA Method 8021B)				
Sami	oler's Name		ır	ravis Casey	Sampler's S	signatu	re					Me 801	[] 혼			-	
Projec	t Number KH24	17005		Project Name Leak #	149				ype of			Chloride (EPA Meth TPH Extended 8015	EPA Met				
Matrix	Date	Time	Comp		mple(s)	Start			2 oz Glass	250 ml Poly							Lab Sample ID
S	10/3/2024	11:00 11:05	X	N-BF S-BF		0	0.5					X X X X			-	-	
3	10/3/2024	11.03	^	3-51			0.3	^				^ ^					2
				+		-		-			-	-	+	+		_	
								-			+	-	+	-		-	
											-		_	-		_	
TURNA	AROUND TIM	E		Normal 48-Hour Rush 24	1-Hour Rush		TRRP	Labora	atory Re	view C	heckli	ist		Yes		No.	
Reling	uished by (Sig	nature)	3	Date: 424 Time: 24	Received b	10	ature)	1	atory it	Date:	12 C		Bil	To:			e-mail results to:
1	ujshed by (Sig	_		Date: 124 Time 3	Received to	y (Sign	ature)			Date:	w	1600	Att	t: Amb	er Gro	ves	joseph.guesnier@terraconc.om travis.casey@terracon.com
La	OF COOLER	AC2		Date: Time: 7230	Received b	y (Sign	aure)	au		Date: /8•7-2	24	ime:	3				mike.adams@terracon.com beckysue.miller@terracon.com gus.sanchez@terracon.com
	RECEIVED (o	C)															chuck.smith@terracon.com
Matrix	:	WW-Waste		W - Water S - Soil L - Liqu				l tube	SL - SI	udge			-				
Contai	ner	VOA - 40 m	nl vial A/	/G - Amber @ 250 ml = Glass wide r	mou P/O - Plast	ic or ot	her _										
				Lubbock	Office m 582	27 50tl	n Stre	et, Su	ite 1	ı Lubl	oock,	, Texa	s 79	424 1	806	-300-01	40

Printed: 10/7/2024 8:47:22AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Terracon	Date Received:	10/07/24 (05:00	Work Order ID:	E410048
Phone:	(806) 544-9276	Date Logged In:	10/04/24 1	14:48	Logged In By:	Caitlin Mars
Email:	joseph.guesnier@terracon.com	Due Date:	10/07/24	17:00 (0 day TAT)		
Chain of	Custody (COC)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
	imples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	l samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Comment</u>	s/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>ooler</u>					
7. Was a s	ample cooler received?		Yes			
8. If yes, v	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C	•		_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · · · · · · · · · · · · · · · · · ·	nois concerca.	105			
	field sample labels filled out with the minimum info	ormation:				
	imple ID?	ination.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
Sample P	<u>reservation</u>					
21. Does t	the COC or field labels indicate the samples were pr	reserved?	No			
	mple(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does t	he sample have more than one phase, i.e., multipha	se?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
	mples required to get sent to a subcontract laborato	rv?	No			
	subcontract laboratory specified by the client and it	-	NA	Subcontract Lab: NA		
		1 50 WHO.	1111	Subcontract Lab. 14A		
Client In	struction					

Signature of client authorizing changes to the COC or sample disposition.

Report to:
Travis Casey







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Terracon

Project Name: Leak #149

Work Order: E410223

Job Number: 24073-C-0001

Received: 10/21/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 10/22/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/22/24

Travis Casey 4526 W. Pierce St Carlsbad, NM 88220

Project Name: Leak #149 Workorder: E410223

Date Received: 10/21/2024 7:15:00AM

Travis Casey,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/21/2024 7:15:00AM, under the Project Name: Leak #149.

The analytical test results summarized in this report with the Project Name: Leak #149 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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Michelle Gonzales

Client Representative

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

_			*	
ſ	Terracon	Project Name:	Leak #149	Reported:
١	4526 W. Pierce St	Project Number:	24073-C-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Travis Casey	10/22/24 15:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS-26 4'-5'	E410223-01A	Soil	10/17/24	10/21/24	Glass Jar, 4 oz.



Sample Data

Terracon	Project Name:	Leak #149	
4526 W. Pierce St	Project Number:	24073-C-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Travis Casey	10/22/2024 3:52:55PM

FS-26 4'-5' E410223-01

		E-710225-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2443001
Benzene	ND	0.0250	1	10/21/24	10/21/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/21/24	
Toluene	ND	0.0250	1	10/21/24	10/21/24	
o-Xylene	ND	0.0250	1	10/21/24	10/21/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/21/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/21/24	
Surrogate: 4-Bromochlorobenzene-PID		90.7 %	70-130	10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2443001
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AF		Batch: 2443006
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/21/24	
Surrogate: n-Nonane		104 %	50-200	10/21/24	10/21/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2443007
Chloride	ND	20.0	1	10/21/24	10/21/24	



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

Terracon	Project Name:	Leak #149	Reported:
4526 W. Pierce St	Project Number:	24073-C-0001	•
Carlsbad NM, 88220	Project Manager:	Travis Casey	10/22/2024 3:52:55PM

4526 W. Pierce St Carlsbad NM, 88220		Project Number: Project Manager:		073-C-0001 avis Casey				1	0/22/2024 3:52:55PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: CG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443001-BLK1)							Prepared: 10	0/21/24 An	alyzed: 10/21/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.3	70-130			
LCS (2443001-BS1)							Prepared: 10	0/21/24 An	alyzed: 10/21/24
Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	4.95	0.0250	5.00		99.1	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	4.95	0.0250	5.00		98.9	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.8	70-130			
LCS Dup (2443001-BSD1)							Prepared: 10	0/21/24 An	alyzed: 10/21/24
Benzene	4.97	0.0250	5.00		99.5	70-130	2.29	20	
Ethylbenzene	4.87	0.0250	5.00		97.5	70-130	1.65	20	
Toluene	4.94	0.0250	5.00		98.7	70-130	1.97	20	
o-Xylene	4.87	0.0250	5.00		97.4	70-130	1.49	20	
p,m-Xylene	9.92	0.0500	10.0		99.2	70-130	1.42	20	
Total Xylenes	14.8	0.0250	15.0		98.6	70-130	1.44	20	

70-130



QC Summary Data

 Terracon
 Project Name:
 Leak #149
 Reported:

 4526 W. Pierce St
 Project Number:
 24073-C-0001

 Carlsbad NM, 88220
 Project Manager:
 Travis Casey
 10/22/2024 3:52:55PM

Nonhalogenated	Organics by	EPA	.8015D -	GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2443001-BLK1)						Prepared: 10	0/21/24 A	analyzed: 10/21/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00	94.1	70-130			
LCS (2443001-BS2)						Prepared: 10)/21/24 A	analyzed: 10/21/24
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	85.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00	94.2	70-130			
LCS Dup (2443001-BSD2)						Prepared: 10)/21/24 A	analyzed: 10/21/24
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	83.6	70-130	2.72	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00	94.1	70-130			



Surrogate: n-Nonane

QC Summary Data

 Terracon
 Project Name:
 Leak #149
 Reported:

 4526 W. Pierce St
 Project Number:
 24073-C-0001

 Carlsbad NM, 88220
 Project Manager:
 Travis Casey
 10/22/2024 3:52:55PM

Carlsbad NM, 88220		Project Manage	r: Ir	avis Casey				10	/22/2024 3:52:55PN
	Nonha	logenated Or	Analyst: NV						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2443006-BLK1)							Prepared: 1	0/21/24 Ana	lyzed: 10/21/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.0		50.0		98.0	50-200			
LCS (2443006-BS1)							Prepared: 1	0/21/24 Ana	lyzed: 10/21/24
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	50.3		50.0		101	50-200			
Matrix Spike (2443006-MS1)				Source:	E410225-	-06	Prepared: 1	0/21/24 Ana	lyzed: 10/21/24
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	53.6		50.0		107	50-200			
Matrix Spike Dup (2443006-MSD1)				Source:	E410225-	-06	Prepared: 1	0/21/24 Ana	lyzed: 10/21/24
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132	5.72	20	

50.0

50-200



Matrix Spike Dup (2443007-MSD1)

Chloride

259

QC Summary Data

Terracon 4526 W. Pierce St Carlsbad NM, 88220		Project Name: Project Number Project Manage	: 2	eak #149 4073-C-0001 ravis Casey				1	Reported: 0/22/2024 3:52:55PM
		Anions	by EPA	300.0/9056 <i>E</i>	\				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2443007-BLK1)							Prepared: 1	0/21/24 An	nalyzed: 10/21/24
Chloride	ND	20.0							
LCS (2443007-BS1)							Prepared: 1	0/21/24 An	alyzed: 10/21/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2443007-MS1)				Source:	E410223-	01	Prepared: 1	0/21/24 An	nalyzed: 10/21/24
Chloride	254	20.0	250	ND	102	80-120			

250

20.0

Source: E410223-01

ND

104

80-120

1.82

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Prepared: 10/21/24 Analyzed: 10/21/24

20

Definitions and Notes

Terracon	Project Name:	Leak #149	
4526 W. Pierce St	Project Number:	24073-C-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Travis Casey	10/22/24 15:52

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



CHAIN OF CUSTOCY RECORD

Job # 01058 0009 2000

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9		erra				Laboratory Address	_		Envir	oTech		-		ANAI	LYSIS	REQU	E51	DUE DATE:	-
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١	ffice Location					Phone Contact	-					-						Please sent invoice to Terracon	_
	ince Location	4526	6 W. F	Pierce	St Carlsbad NM, 88220	SRS #	-					-	00		B			Attention: Travis Casey	-
3	Project Manager		Т	ravis	Casey	31.5 11							Method 300)		80218)			Acception Havis casey	_
	Sampler's Name			ravis		Sampler's S	ignatı	ire					tho	15	8				
4													Me	80	tho				
Р	roject Number: KH2	47005		F	Project Name: Leak #149	9			No. T		Contai	ners	PA	ded	Me				
3-									355	SSE			e (E	tenc	PA				_
70 2	Matrix Date	Time	Comp	Grab	Identifying Mark	ks of Sample(s)	tart	End	4 oz Glass	2 oz Glass	250 ml Poly	.	Chloride (EPA	TPH Extended 8015	BTEX (EPA Method				
		0.45	10000							7	25 Pc							Lab Sample ID	-30
S	10/17/2024	9:15	X	Х	FS-	26	0	5	1	-		+	X	Х	X	-			
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R	elinquished by (Sign	ature)				e: Received by	(Sign	ature)			Date:		Γime:					mike.adams@terracon.com	
	1,94.	20			10.18.24 2	e: Received by		1	7		10-21	-24	7715	•				beckysue.miller@terracon.com	
	EMP OF COOLER		1° C															gus.sanchez@terracon.com	
_	HEN RECEIVED (Co	-1							1. 1	C1 C	9 1							chuck.smith@terracon.com	-
	1atrix	WW-Wastew			/ - Water S - Soil Amber (250 ml = Glass	L - Liquid A - Air Bag			I tube	SL - S	ludge							N.	_
C	ontainer	VOA - 40 ml v	/Idl	A/G -	Amber C 250 ml = Glass	wide mot P/O - Plasti	c or o	ner_		-									_
					C	arlsbad Office u 45	526 W	l. Pier	ce St	■ Ca	rlsbad	l, Nev	v Me	xico	882	20 m	806-30	00-0140	
1																			

Printed: 10/21/2024 2:53:07PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Terracon	Date Received:	10/21/24	07:15	Work Order ID:	E410223
Phone:	(575) 689-5949	Date Logged In:	10/18/24	15:34	Logged In By:	Caitlin Mars
Email:	travis.casey@terracon.com	Due Date:	10/21/24	17:00 (0 day TAT)		
<u> </u>						
	Custody (COC)					
	he sample ID match the COC? the number of samples per sampling site location mat	ch the COC	Yes			
	samples dropped off by client or carrier?	chi the COC	Yes	a . a .		
	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes Yes	Carrier: Courier		
	all samples received within holding time?	ied alialyses?	Yes			
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic		108		Comment	s/Resolution
	<u> Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes			
Sample	Container_					
	iqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?	1	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La	* * *					
	field sample labels filled out with the minimum info	rmation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
	<u>Preservation</u>					
	the COC or field labels indicate the samples were pr	eserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lat	o filteration required and/or requested for dissolved m	etals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphas		No			
27. If yes	s, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laborator	y?	No			
	a subcontract laboratory specified by the client and if	•	NA	Subcontract Lab: NA		
Client I	nstruction					
CHERT	nstruction					
						_

CHAIN OF CUSTOCY RECORD

Job # 01058 0009 24073-C-0001 Received by OCD: 11/1/2024 10:22:52 AM

																		LAB USE ONLY OM Idzilzy
	10	erra				Laboratory:	-	3.15	Enviro	Tech		-	AN	NALY:	SIS RE	QUEST		DUE DATE:
		0116			e with us	Address:												
						Phone:												
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Closure Documentation
Leak 149 | Lea County, New Mexico
September 13, 2024 | Terracon Project No. KH247005



APPENDIX F – TERRACON STANDARD OF CARE, LIMITATION, AND RELIANCE

Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the Scope of Work agreed with you, Targa Midstream Services LLC, as reflected in your Bid Request Form for NMOCD Incident No. nAPP2335429970 or as reflected in our proposal (PKH247007).

Additional Scope Limitations

The development of this Closure Report is based on information provided by Targa Midstream Services LLC 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 Targa Midstream Services LLC. 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 Targa Midstream Services LLC, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Targa Midstream Services LLC, and Terracon. Any unauthorized distribution or reuse is at Targa Midstream Services LLC, sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal and Targa Midstream Services LLC, and Terracon's Master Services Agreement. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to Targa Midstream Services LLC, and all relying parties unless otherwise agreed in writing.

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Action 398098

QUESTIONS

Operator:	OGRID:
TARGA MIDSTREAM SERVICES LLC	24650
811 Louisiana Street	Action Number:
Houston, TX 77002	398098
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites					
Incident ID (n#)	nAPP2335429970				
Incident Name	NAPP2335429970 LEAK #149 @ 0				
Incident Type	Natural Gas Release				
Incident Status	Reclamation Report Received				
Incident Facility	[fAPP2123021777] Targa NM Gathering System				

ocation of Release Source					
Please answer all the questions in this group.					
Site Name	LEAK #149				
Date Release Discovered	12/12/2023				
Surface Owner	Private				

Incident Details						
Please answer all the questions in this group.						
Incident Type	Natural Gas 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	Not answered.					
Is the concentration of chloride in the produced water >10,000 mg/l	No					
Condensate Released (bbls) Details	Cause: Corrosion Pipeline (Any) Condensate Released: 4 BBL Recovered: 0 BBL Lost: 4 BBL.					
Natural Gas Vented (Mcf) Details	Cause: Corrosion Pipeline (Any) Natural Gas Vented Released: 65 MCF Recovered: 0 MCF Lost: 65 MCF.					
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 398098

QUESTIONS (continued)

Operator:	OGRID:						
TARGA MIDSTREAM SERVICES LLC	24650						
811 Louisiana Street	Action Number:						
Houston, TX 77002	398098						
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)						
QUESTIONS	[6 TT] Nobialitation Report 6 TTT (6 TTT Vitobialitation)						
Nature and Volume of Release (continued)							
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this will be treated as a "gas only" report.						
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No						
Reasons why this would be considered a submission for a notification of a major release	Unavailable.						
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	gas only) are to be submitted on the C-129 form.						
F =							
Initial Response							
The responsible party must undertake the following actions immediately unless they could create a sa	afety 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 ed 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 relea the OCD does not relieve the operator of liability should their operations have failed to a	nowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by dequately investigate and remediate contamination that pose a threat to groundwater, surface 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: Amber Groves Title: Environmental Specialist Email: agroves@targaresources.com Date: 11/01/2024						

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 3

Action 398098

QUESTIONS (continued)

Operator:	OGRID:
TARGA MIDSTREAM SERVICES LLC	24650
811 Louisiana Street	Action Number:
Houston, TX 77002	398098
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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 75 and 100 (ft.)					
What method was used to determine the depth to ground water	OCD Imaging Records Lookup					
Did this release impact groundwater or surface water	No					
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:						
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)					
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)					
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)					
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)					
Any other fresh water well or spring	Between ½ and 1 (mi.)					
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)					
A wetland	Greater than 5 (mi.)					
A subsurface mine	Greater than 5 (mi.)					
An (non-karst) unstable area	Greater than 5 (mi.)					
Categorize the risk of this well / site being in a karst geology	None					
A 100-year floodplain	Greater than 5 (mi.)					
Did the release impact areas not on an exploration, development, production, or storage site	Yes					

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 a	ssociated 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)	6660	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	6630	
GRO+DRO (EPA SW-846 Method 8015M)	3920	
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 e which includes the anticipated timelines for beginning and completing the remediation.	fforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence	02/20/2024	
On what date will (or did) the final sampling or liner inspection occur	07/25/2024	
On what date will (or was) the remediation complete(d)	07/25/2024	
What is the estimated surface area (in square feet) that will be reclaimed	22600	
What is the estimated volume (in cubic yards) that will be reclaimed	3350	
What is the estimated surface area (in square feet) that will be remediated	4500	
What is the estimated volume (in cubic yards) that will be remediated	1100	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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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 398098

QUESTIONS (continued)

Operator:	OGRID:
TARGA MIDSTREAM SERVICES LLC	24650
811 Louisiana Street	Action Number:
Houston, TX 77002	398098
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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.)		
Yes		
J&L LANDFARM [fEEM0112339187]		
Not answered.		
Not answered.		
Not answered.		
No		

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.

Name: Amber Groves
Title: Environmental Specialist
Email: agroves@targaresources.com
Date: 11/01/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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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 398098

QUESTIONS (continued)

Operator:	OGRID:
TARGA MIDSTREAM SERVICES LLC	24650
811 Louisiana Street	Action Number:
Houston, TX 77002	398098
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 6

Action 398098

QUESTIONS (continued)

_		
Γ	Operator:	OGRID:
	TARGA MIDSTREAM SERVICES LLC	24650
	811 Louisiana Street	Action Number:
	Houston, TX 77002	398098
		Action Type:
I		[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	392626
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/17/2024
What was the (estimated) number of samples that were to be gathered	1
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	22600	
What was the total volume (cubic yards) remediated	3350	
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	22600	
What was the total volume (in cubic yards) reclaimed	3350	
Summarize any additional remediation activities not included by answers (above)	Please see attached closure report describing all remediation and reclamation activities.	

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: Amber Groves

Title: Environmental Specialist
Email: agroves@targaresources.com
Date: 11/01/2024

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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 7

Action 398098

QUESTIONS (continued)

Operator: TARGA MIDSTREAM SERVICES LLC	OGRID: 24650
811 Louisiana Street	Action Number:
Houston, TX 77002	398098
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)
QUESTIONS	
Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	22600
What was the total volume of replacement material (in cubic yards) for this site	3350
	If four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 over must include a top layer, which is either the background thickness of topsoil or one foot of suitable material
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	09/13/2024
Summarize any additional reclamation activities not included by answers (above)	Please see attached report for description of reclamation activities.
	Lecture reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form the field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 repor	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses 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 rt does not relieve the operator of responsibility for compliance with any other federal, state, or itally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ing notification to the OCD when reclamation and re-vegetation are complete.
I hereby agree and sign off to the above statement	Name: Amber Groves Title: Environmental Specialist

Email: agroves@targaresources.com

Date: 11/01/2024

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QUESTIONS, Page 8

Action 398098

QUESTIONS (continued)

Operator:	OGRID:
TARGA MIDSTREAM SERVICES LLC	24650
811 Louisiana Street	Action Number:
Houston, TX 77002	398098
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Action 398098

CONDITIONS

Operator:	OGRID:
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Houston, TX 77002	398098
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Final Closure report for remediation and reclamation is approved.	3/12/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	3/12/2025