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

Responsible Party Catena Resources Operating, LLC

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2135153330
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID 328449

Contact Nan	^{ne} Cato Cl	ark			Contact Telephone 346-200-7894				
Contact email clark@catenares.com					Incident # (assigned by OCD) nAPP2135153330				
Contact mai	ling address	1001 Fannin	St., Suite 220	0, Ho	uston, TX	77002			
			Location		elease So	ource			
Latitude 32.7	7004030		(NAD 83 in de	cimal de	Longitude grees to 5 decin	-103.4246445 mal places)			
Site Name S	outh Vac	uum Unit 354			Site Type	Wellhead			
Date Release	Discovered	7/9/2019			API# (if app	olicable) 30-025-36789			
Unit Letter	Section	Township	Range	ì	Coun	ity			
G	35	18S	35E	Lea					
						justification for the volumes provided below)			
✓ Crude Oi		Volume Release	ed (bbls) 1			Volume Recovered (bbls) 0			
✓ Produced	Water	Volume Release	ed (bbls) 33		Volume Recovered (bbls) 0				
			tion of total dissol water >10,000 mg		ids (TDS) Yes No				
Condensa	ite	Volume Release	ed (bbls)			Volume Recovered (bbls)			
☐ Natural Gas Volume Released (Mcf)						Volume Recovered (Mcf)			
Other (de	scribe)	Volume/Weight	Released (provid	e units)		Volume/Weight Recovered (provide units)			
Cause of Rel	ease					•			
Failure of e	equipmer	t at the wellhe	ead.						

State of New Mexico Oil Conservation Division

Incident ID	nAPP2135153330	Ī
District RP		Į
Facility ID		Ì
Application ID		

Yes, the release was greater than 25 barrels. ☑ Yes □ No If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? N/A Initial Response The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury ☑ The source of the release has been stopped. ☑ The impacted area has been secured to protect human health and the environment. ☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☑ All free liquids and recoverable materials have been removed and managed appropriately. If all the actions described above have not been undertaken, explain why: Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. 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 does not relieve the operator of inclinations have falled to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Cato Clark Title: Vice President Land Date: /// */ **L* Telephone: 348-200-7894	Was this a major	If YES, for what reason(s) does the respon	nsible party consider this a major release?							
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Signature:										
	Printed Name: Cato Clark									
email: clark@catenares.com Telephone: 346-200-7894	Signature:		Date: 1/10/22							
Chian, San Costonar Coston	email: clark@catenares.co	om	Talanhana: 346-200-7894							
	cman.		relephone. one zee too.							
OCD Only	OCD Only									
I I	Received by:		Date:							
	Received by:		Date:							

State of New Mexico Oil Conservation Division

Incident ID	nAPP2135153330
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	60 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes 🗹 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes 📝 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes 🗸 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes 🗸 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes 📝 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes 📝 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes 📝 No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes 📝 No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes 🕢 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes 🕢 No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes 🚺 No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes 🔽 No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps	s.
✓ Laboratory data including chain of custody	

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico Oil Conservation Division

Incident ID	nAPP2135153330	
District RP		
Facility ID		
Application ID		

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the 6 failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger DCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Cato Clark	Title: Vice President Land
Signature:	Date: 6-2/-21
email: clark@catenares.com	Telephone: 346-200-7594
OCD Only	
Received by:	Date:

State of New Mexico Oil Conservation Division

Incident ID	nAPP2135153330
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must b	e included in the plan.
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation poin Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29. Proposed schedule for remediation (note if remediation plan tin	12(C)(4) NMAC
Deferral Requests Only: Each of the following items must be con	ofirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around p deconstruction.	roduction equipment where remediation could cause a major facility
☐ Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name: Cato Clark	Title: Vice President Land
Signature:	Date: 6-2/-22
email: clark@catenares.com	Telephone: 346-200-7894
OCD Only	
Received by:	Date:
☐ Approved	Approval
Signature: Jennifer Nobui	Date: 07/05/2022



701 Tradewinds Boulevard, Suite C Midland, Texas 79706 Tel. 432.685.3898 www.ntglobal.com

March 15, 2022

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Work Plan

South Vacuum Unit #354 Catena Resources, LLC Site Location: Unit G, S35, T18S, R35E (Lat 32.706436°, Long -103.424600°) Lea County, New Mexico Incident # nAPP2135153330

Dear Mr. Bratcher:

On behalf of Catena Resources, LLC, New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment activities related to a release at the South Vacuum Unit 354 location (Site) on July 9, 2021. The Site is located in Lea County approximately 17.3 miles west of Hobbs, New Mexico (Figures 1 and 2).

Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the leak was discovered on July 9, 2021 and was a result of equipment failure at the wellhead. The equipment failure resulted in the release of approximately 1 barrel (bbl) of crude oil and 33 bbls of produced water of which 0 bbls were recovered. The release area is shown on Figure 3. A copy of the initial C-141 form is attached.

Site Characterization

The site is located within a low karst area. Based on a review of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) databases, 5 known water sources are located within a ½ mile radius of the Site; however, none of the 5 wells were drilled in the past 25 years. The nearest identified well was drilled in 1957 and is located approximately 0.25 miles southwest of the Site. The well has a reported depth to groundwater of 60 feet below ground surface (ft bgs). A copy of the site characterization information and associated *Point of Diversion Summary* report for the nearest water well is attached.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria are applicable at the Site.

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- TPH (GRO + DRO + MRO): 100 mg/kg
- Chloride: 600 mg/kg

Creating a Better Environment For Oil & Gas Operations

Mr. Mike Bratcher March 15, 2022 Page 2 of 3

Site Assessment

Site assessment activities were conducted over three events to fully characterize and delineate the extent of impacts resulting from the release. Soil samples were collected from the Site using various sample collection methodologies and submitted to an accredited laboratory for chemical analysis. Soil samples were field screened for volatile organic compounds (VOCs) and chloride.

All soil samples were analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (EPA method 300.0). The combined analytical results from each sampling event are provided in Table 1, attached. Soil sample locations are shown on Figure 3. Laboratory reports containing analytical methods and chain-of-custody documents are attached. A photographic log documenting Site conditions at the time of the initial assessment is attached. Complete details of each sampling event are further described below.

Initial Assessment

On October 21, 2021, NTGE conducted site assessment activities to assess the horizontal and vertical extent of impacts at the Site. A total of 4 sample points (S-1 through S-4) were installed within the release area to characterize the impacts. Additionally, 4 horizontal delineation sample points (H-1 through H-4) were installed to define the extent of impacts. All soil samples were collected from the 0-0.5 ft bgs depth interval with a geotechnical handauger. The handauger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination.

Analytical results from the initial assessment activities identified elevated TPH and/or chloride concentrations across the release area (S1 - S4). Additionally, TPH concentrations in soil sample H-1 - H-4 were also above the regulatory limits. The horizontal and vertical extent of impacts was not defined and further assessment was required.

Follow-On Sampling - Trenches

On December 8, 2021, NTGE conducted follow-on sampling activities to vertically delineate soil impacts in the areas of S-1 – S-4 and horizontally delineate soil impacts in the areas of H-1 - H-4. In the areas of S-1 – S4, trenches were installed to a depth of 2 ft bgs with a backhoe and soil samples were collected in 1 ft depth intervals. Samples were collected directly from the center of the backhoe bucket to prevent cross contamination. Backhoe refusal due to the presence of dense bedrock was encountered at the total depth of each trench.

The additional soil samples collected from the areas of H-1 - H-4 were collected with a geotechnical handauger. Soil samples were collected from the 0-0.5 ft bgs depth interval. The handauger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination.

Analytical results from the trench sampling activities indicated that the vertical delineation of impacts was not achieved in and of the area except the area of S-4/T-4 where samples collected from the 1 ft depth interval were below the regulatory limits. The impacted extended to the total depths of the remaining trenches. Further assessment was required to assess the vertical extent of impacts in remaining areas.

Analytical results from the additional horizontal delineation sampling in the areas of H-1 - H-4 indicate the horizontal extent of impacts were defined. No further horizontal delineation sampling was required.



Mr. Mike Bratcher March 15, 2022 Page 3 of 3

Follow-On Sampling - Soil Boring Installations

On February 8, 2022, NTGE conducted additional follow-on sampling activities to vertically delineate soil impacts in the release area. A total of 2 soil borings (BH-1 and BH-2) were installed using a geoprobe drilling unit with hollow-stem augers. The soil borings were advanced to depths ranging from 5 to 6 ft bgs and soil samples were collected in one foot depth intervals from each soil boring.

Analytical results from the soil boring installations indicated that vertical delineation was achieved in BH-1 and BH-2. Impacts at the Site are vertically delineated.

Proposed Work Plan

Based on the analytical results, Catena proposes the excavation and disposal of impacted soils above the regulatory limits. The proposed excavation depths may not be reached due to wall cave-ins and/or safety concerns for onsite personnel. Additionally, the excavation of impacted soil around oil and gas equipment, structures, and/or lines may not be feasible or practicable due to safety concerns for onsite personnel. As such, impacted soils will be excavated to the maximum extent practicable.

The proposed excavation areas and depths are detailed below and illustrated on Figure 4.

- The areas of S-1/T-1, S-2/T-2, S-3/T-3, BH-1, and BH-2 will be excavated to a depth of 2 ft bgs and backfilled with clean material to grade.
- The areas of S-4/T-4 will be excavated to a depth of 1 ft bgs and backfilled with clean material to grade.

Soil will be field screened during excavation and final excavation depths may vary depending on field screening activities. Composite confirmation excavation base and sidewalls samples will be collected every 200 square feet and analyzed for TPH by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0 to confirm excavation activities are successful in addressing identified impacts. Excavated soil will be hauled to a permitted disposal facility for final disposition.

Closing

The remediation will be implemented within 90 days of work plan approval. It is estimated that approximately 740 cubic yards (yd³) of soil will be excavated and hauled to disposal. Upon completion, a final report detailing the remedial actions will be submitted to the NMOCD. If you have any questions regarding this report or need any additional information, please contact us at 432.685.3868.

C-141

Sincerely,

NTG Environmental

Gordon Banks, REM, CSEM, CESCO

Project Manager

Attachments: Table

Site Characterization Information

Figures

Photographic Log

Laboratory Report and Chain-of-Custody Documents

A NTG

Table

Table 1
Catena Resources, LLC
South Vacuum Unit 354
Lea County, New Mexico

0 1 15		Sample		TPI	H (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylenes	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Samples							
S-1	10/20/2021	0-0.5'	<249	2,820	507	3,330	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,350
T-1	12/8/2021	0-1'	<20.0	1,580	968	2,548	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	1,320
1-1	12/0/2021	1'	<20.0	947	859	1,806	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	1,440
		(0-1')	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	941
		(1'-2')	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	993
BH-1	2/8/2022	(2'-3')	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	313
БП-1	2/0/2022	(3'-4')	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	232
		(4'-5')	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	0.00396	<0.00396	50.7
		(5'-6')	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	0.00398	<0.00398	26.9
S-2	10/20/2021	0-0.5'	<249	1,650	347	2,000	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,700
т о	12/9/2021	0-1'	<20.0	41.6	79.9	122	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	3,290
1-2	T-2 12/8/2021	1'	<20.0	<25.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	1,360
		(0-1')	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	300
	2/8/2022	(1'-2')	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	318
BH-2		(2'-3')	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	348
		(3'-4')	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	376
		(4'-5')	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	27.0
S-3	10/20/2021	0-0.5'	<50.0	112	<50.0	112	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	2,600
T-3	12/8/2021	0-1'	<20.0	92.0	130	222	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	470
1-3	12/0/2021	1'	<20.0	122	146	268	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	210
S-4	10/20/2021	0-0.5'	<49.8	64.1	<49.8	64.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9,500
T-4	12/8/2021	0-1'	<20.0	<25.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	602
I -4	12/0/2021	1'	<20.0	<25.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	426
Horizontal Delineation Samples												
H-1	10/20/2021	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	734
H-1 (b)	12/8/2021	0-0.5'	<20.0	<25.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	483
H-2	10/20/2021	0-0.5'	<49.9	174	58.2	232	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	242
H-2 (b)	12/8/2021	0-0.5'	<20.0	<25.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	460

Table 1
Catena Resources, LLC
South Vacuum Unit 354
Lea County, New Mexico

		Sample	TPH (mg/kg)				Benzene	Toluene	Ethlybenzene	Xylenes	Total BTEX	Chloride
Sample ID Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
H-3	10/20/2021	0-0.5'	<49.9	174	61.5	236	<0.00201	<0.00201	0.00493	<0.00402	0.00493	188
H-3 (b)	12/8/2021	0-0.5'	<20.0	<25.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0
H-4	10/20/2021	0-0.5'	<49.8	148	<49.8	148	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	244
H-4 (b)	12/8/2021	0-0.5'	<20.0	<25.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	74.5
Regulatory Limits		-	-	-	100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg	

- exceeds regulatory limit

mg/kg - milligram per kilogram

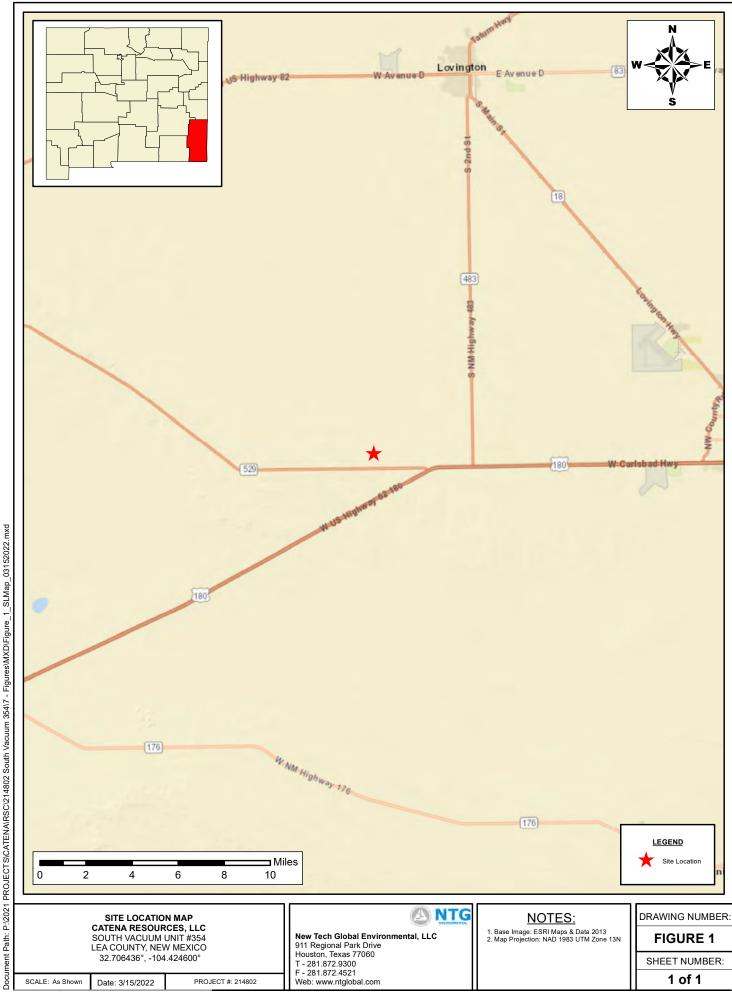
GRO - gasoline range organics

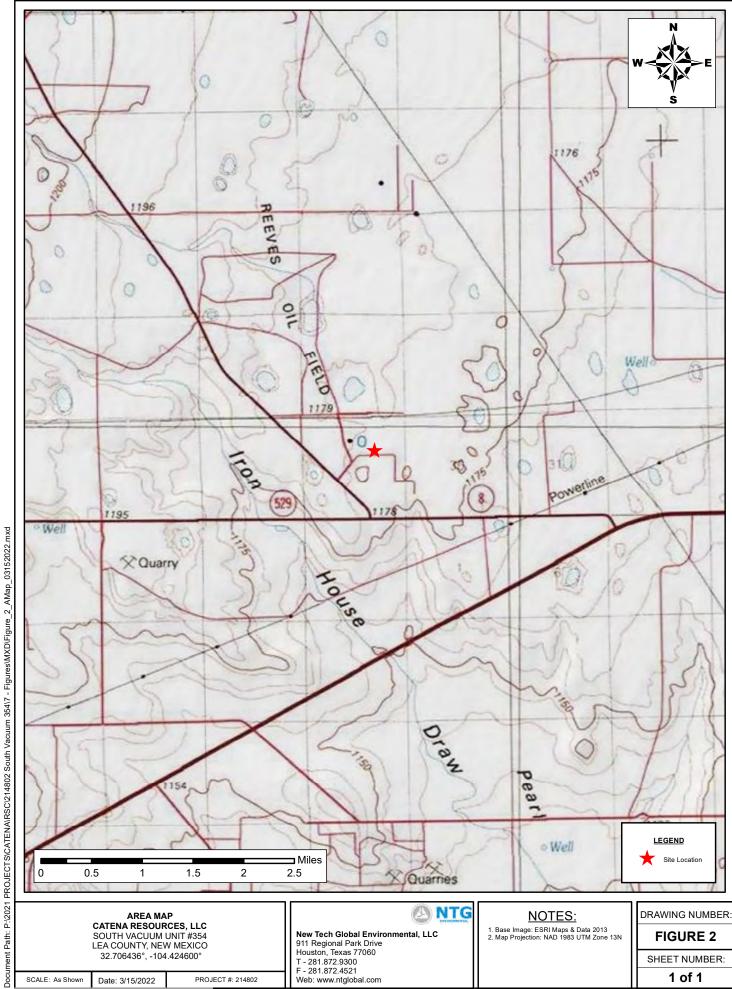
DRO - diesel range organics

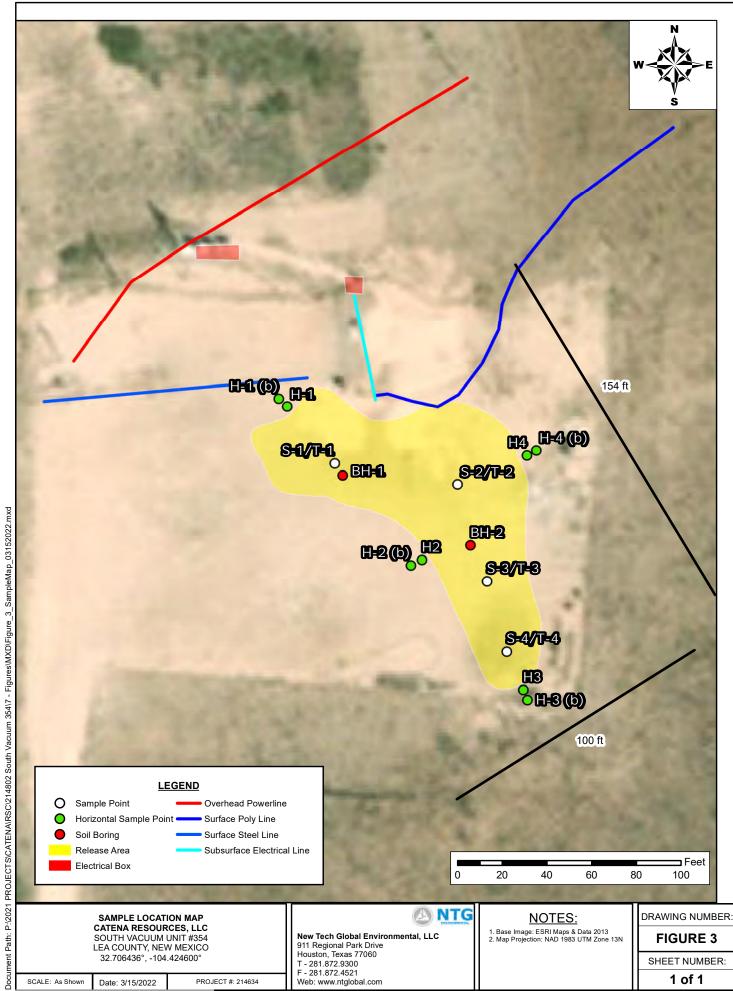
ORO - oil range organics

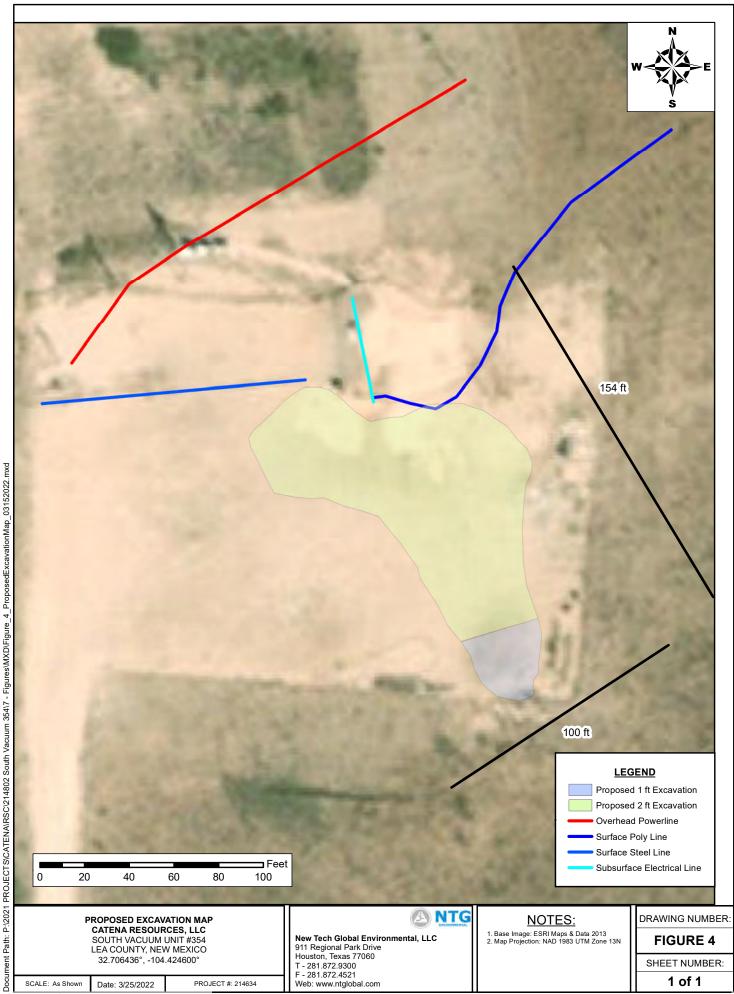
A - Table 1 - 19.15.29 NMAC

Figures









Photographic Log

PHOTOGRAPHIC LOG

Catena Resources

Photograph No. 1

Facility: South Vacuum 354

County: Lea County, New Mexico

Description:

View looking east of sample points H-1, H-4, S-1, and S-2.



Photograph No. 2

Facility: South Vacuum 354

Lea County, New Mexico County:

Description:

View looking east of sample points H-3, S-2, S-3, and S-4.



Photograph No. 3

Facility: South Vacuum 354

County: Lea County, New Mexico

Description:

View looking west of sample points H-4, S-1, S-2, and

H-1.



PHOTOGRAPHIC LOG

Catena Resources

Photograph No. 4

Facility: South Vacuum 354

County: Lea County, New Mexico

Description:

View looking southwest of sample points H-3, H-4, S-2, S-3, and S-4.



Photograph No. 5

Facility: South Vacuum 354

County: Lea County, New Mexico

Description:

View looking northwest of sample points H-3, H-2, S-2, S-3, and S-4.



Photograph No. 6

Facility: South Vacuum 354

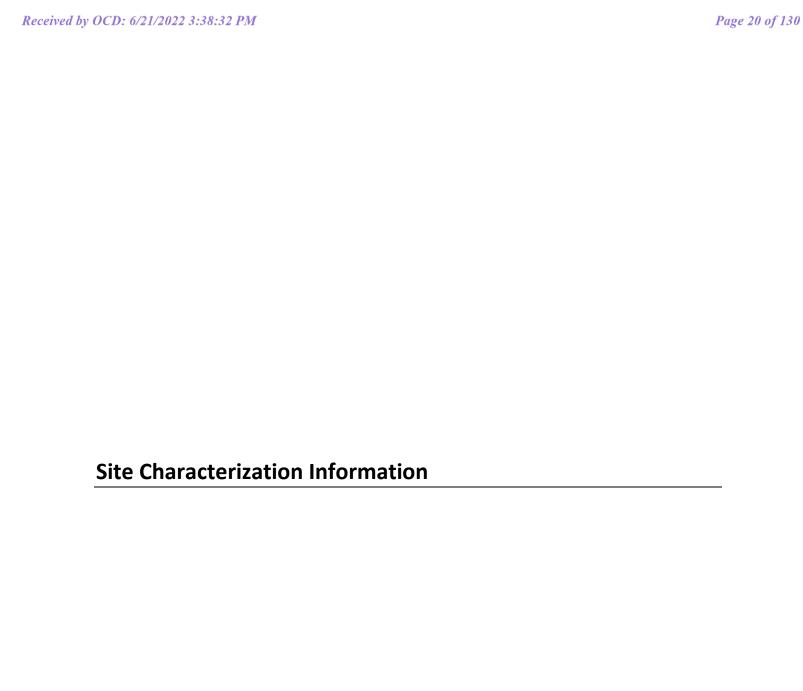
County: Lea County, New Mexico

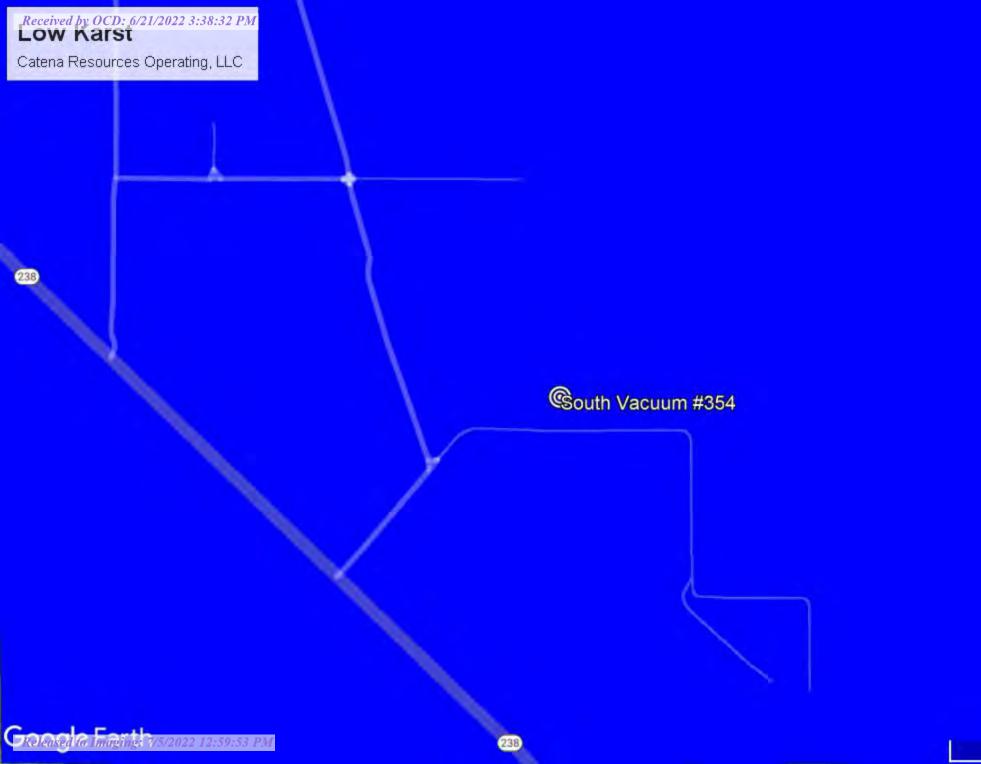
Description:

View looking northeast of the point of release (POR)

and wellhead.



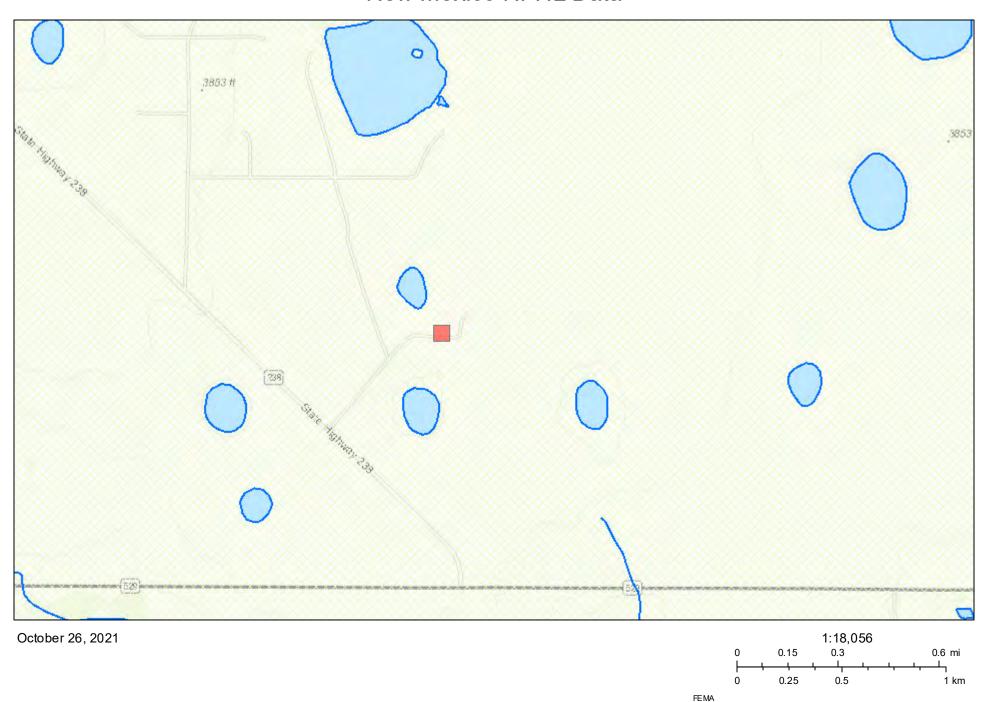


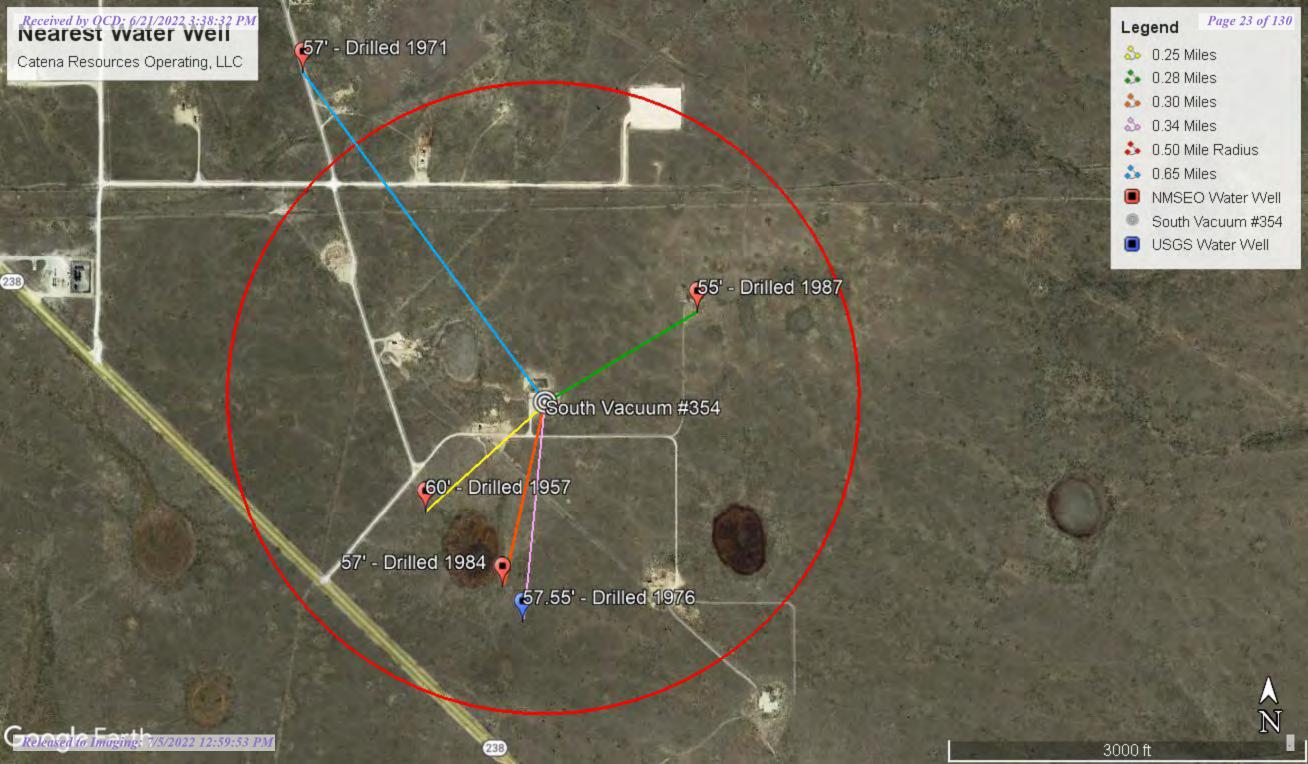


Legend
Page 21 of 130

LOW
South Vacuum #354

New Mexico NFHL Data







Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

POD Number L 09958

Q64 Q16 Q4 Sec Tws Rng 4 2 2 35 18S 35E

Driller Company:

648040 3620074*

Driller Name:

Well Tag

Driller License: GLENN, CLARK A.

10/12/1987

10/12/1987

Drill Start Date: Log File Date: Pump Type:

10/22/1987

Drill Finish Date: PCW Rcv Date:

Plug Date:

GLENN'S WATER WELL SERVICE

Source: Shallow Estimated Yield: 100 GPM

Casing Size:

Pipe Discharge Size: Depth Well:

150 feet

Depth Water: 55 feet

Water Bearing Stratifications:

Top Bottom Description 56 160 Other/Unknown

Casing Perforations:

Top 153

122

Meter Number:

6.62

8553

Meter Make:

MASTER

Meter Serial Number: 2057376

Meter Multiplier:

100.0000 Diversion

Number of Dials: Unit of Measure:

Usage Multiplier:

Meter Type:

Return Flow Percent:

Gallons

Reading Frequency: Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr
03/17/2004	2004	47084	A	jw
04/26/2004	2004	49141	A	jw
**YTD Mete	er Amoun	its: Year	A	mount
		2004		0.631

^{*}UTM location was derived from PLSS - see Help

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

10/26/21 2:57 PM



Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

 Well Tag
 POD Number
 Q64 Q16 Q4
 Sec
 Tws
 Rng

 L 06868
 1 4 3 26 18S 35E

X

1 4 3 26 18S 35E 647026 3620666*

Driller License: Driller Name:

Pump Type:

Casing Size:

Drill Start Date: 10/30/1971 **Log File Date:** 11/03/1971

6.63

Drill Finish Date: PCW Rcv Date:

Driller Company:

11/01/1971 Plug Date: Source:

ABBOTT BROTHERS COMPANY

08/21/1972 Shallow

57 feet

Pipe Discharge Size: Estimated Yield:
Depth Well: 110 feet Depth Water:

Water Bearing Stratifications: Top Bottom Description

57 110 Sandstone/Gravel/Conglomerate

Casing Perforations: Top Bottom
68 110

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

10/26/21 1:17 PM

^{*}UTM location was derived from PLSS - see Help



Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number

Q64 Q16 Q4 Sec Tws Rng

X Y

L 09524

1 4 35 18S 35E

647552 3619364*

Driller License: Driller Name:

FELKINS, LARRY

Driller Company: LARRY'S DRILLING & PUMP CO.

Drill Finish Date: 07/13/1984 Plug Date:

 Drill Start Date:
 07/13/1984

 Log File Date:
 07/23/1984

Drill Finish Date: PCW Rcv Date: Plug Date: Source: 08/08/1985 Shallow

Pump Type: Casing Size: Pipe Discharge Size: Depth Well: Estimated Yield: 100 GPM

Depth Water: 57 feet

Water Bearing Stratifications:

6.63

Top Bottom Description60 140 Other/Unknown

140 feet

Casing Perforations:

Top Bottom 120 140

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

10/26/21 2:55 PM

^{*}UTM location was derived from PLSS - see Help



Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

POD Number Well Tag

Q64 Q16 Q4 Sec Tws Rng

X

L 03678

35 18S 35E

647354 3619554*

Driller License: Driller Name:

Log File Date:

O.R. MUSSELWHITE WATER WELL SE

Drill Start Date:

MUSSELWHITE, O.R.

Drill Finish Date: PCW Rcv Date:

09/18/1957 Plug Date: Source:

115 feet

09/30/1962 Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: 6.00 Depth Well:

Depth Water:

60 feet

Water Bearing Stratifications:

09/17/1957

09/24/1957

Top Bottom Description

110 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom 75 115

10/26/21 2:52 PM

^{*}UTM location was derived from PLSS - see Help

Click to hideNews Bulletins

- Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 324205103253101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 324205103253101 18S.35E.35.23143

Lea County, New Mexico Latitude 32°42'05", Longitude 103°25'31" NAD27

Land-surface elevation 3,865 feet above NAVD88

The depth of the well is 115 feet below land surface.

This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Ogallala Formation (1210GLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date \$	Time \$? Water- level \$ date- time accuracy	? Parameter [‡] code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\phi\$ datum	? Status	? Method of measurement	? Measuring \$\frac{1}{2}\$ agency	? Source of measurement	? Water- level approval status
1961-03-23		D	62610		3805.98	NGVD29	1	Z			А
1961-03-23		D	62611		3807.55	NAVD88	1	Z			А
1961-03-23		D	72019	57.45			1	Z			Α
1966-03-18		D	62610		3805.64	NGVD29	1	Z			Α
1966-03-18		D	62611		3807.21	NAVD88	1	Z			Α
1966-03-18		D	72019	57.79			1	Z			Α
1971-01-20		D	62610		3807.11	NGVD29	1	Z			А
1971-01-20		D	62611		3808.68	NAVD88	1	Z			Α
1971-01-20		D	72019	56.32			1	Z			Α
1976-02-10		D	62610		3805.88	NGVD29	1	Z			Α
1976-02-10		D	62611		3807.45	NAVD88	1	Z			Α
1976-02-10		D	72019	57.55			1	Z			Α

Explanation

Code \$	Description \$
D	Date is accurate to the Day
62610	Groundwater level above NGVD 1929, feet
62611	Groundwater level above NAVD 1988, feet
72019	Depth to water level, feet below land surface
NAVD88	North American Vertical Datum of 1988
NGVD29	National Geodetic Vertical Datum of 1929
1	Static
Z	Other.
	D 62610 62611 72019 NAVD88

Section \$	Code \$	Description	
Measuring agency		Not determined	
Source of measurement		Not determined	
Water-level approval status	Α	Approved for publication Processing and review completed.	

Questions about sites/data? Feedback on this web site **Automated retrievals** <u>Help</u> Data Tips Explanation of terms
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Accessibility U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels

URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer Page Last Modified: 2021-10-26 17:06:10 EDT 0.3 0.26 nadww01

USA.gov

C-141

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

Responsible Party Catena Resources Operating, LLC

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2135153330	
District RP		
Facility ID		
Application ID		

Release Notification

Responsible Party

OGRID 328449

Contact Name Cato Clark					Contact Telephone 346-200-7894			
Contact ema	il clark@d	catenares.com	n		Incident # ((assigned by OCD) nAPP2135153330		
Contact mail	ling address	1001 Fannin	St., Suite 220	0, Ho	uston, TX	77002		
34-	Location of Release Source							
Latitude 32.7	7064056		(NAD 83 in de	cimal de	Longitude _ egrees to 5 decim	-103.4246445 mal places)		
Site Name S	outh Vac	uum Unit 354			Site Type V	Wellhead		
Date Release	Discovered	7/9/2019			API# (if appl	olicable) 30-025-36789		
Unit Letter	Section	Township	Range		Count	nty		
G	35	18S	35E	Lea				
	Material		Nature and	d Vol	lume of R	justification for the volumes provided below)		
✓ Crude Oil		Volume Release	·			Volume Recovered (bbls) 0		
✓ Produced	Water	Volume Release				Volume Recovered (bbls) 0		
		1	tion of total dissolwater >10,000 mg		lids (TDS)	(TDS) Yes No		
Condensa	ite	Volume Release		y		Volume Recovered (bbls)		
☐ Natural G	ras	Volume Release	ed (Mcf)			Volume Recovered (Mcf)		
Other (de	Other (describe) Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)		
Cause of Rele								
Failure of e	∍quipmen	it at the wellhe	∌ad.					

State of New Mexico Oil Conservation Division

Incident ID	nAPP2135153330	
District RP		
Facility ID		1
Application ID		

Was this a major	If YES, for what reason(s) does the respon	nsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	Yes, the release was greater tha	an 25 barrels.
, ,		
Yes No		
If VEC was immediate a	ation given to the OCD2 Drumbom2 To un	now? When and he what moons (mhone amail ata)?
1	blice given to the OCD? By whom? To wr	nom? When and by what means (phone, email, etc)?
N/A		
	Initial Ro	esponse
The responsible j	party must undertake the following actions immediatel	ly unless they could create a safety hazard that would result in injury
✓ The source of the rele	ease has been stopped.	
The impacted area ha	is been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or o	likes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	d managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	why:
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred please attach all information needed for closure evaluation.
		best of my knowledge and understand that pursuant to OCD rules and
		fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have
failed to adequately investigate	ate and remediate contamination that pose a thre	at to groundwater, surface water, human health or the environment. In
addition, OCD acceptance of and/or regulations.	f a C-141 report does not relieve the operator of	responsibility for compliance with any other federal, state, or local laws
		mu. Vice President Lond
Printed Name: Cato Clark	. 0	Title: Vice President Land
Signature:		Date: 1/10/22
email: clark@catenares.co	om	Telephone: 346-200-7894
OCD Only	1	
OCD Only	N.	1 /21 /2022
Received by: Ramona	warcus	Date:

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

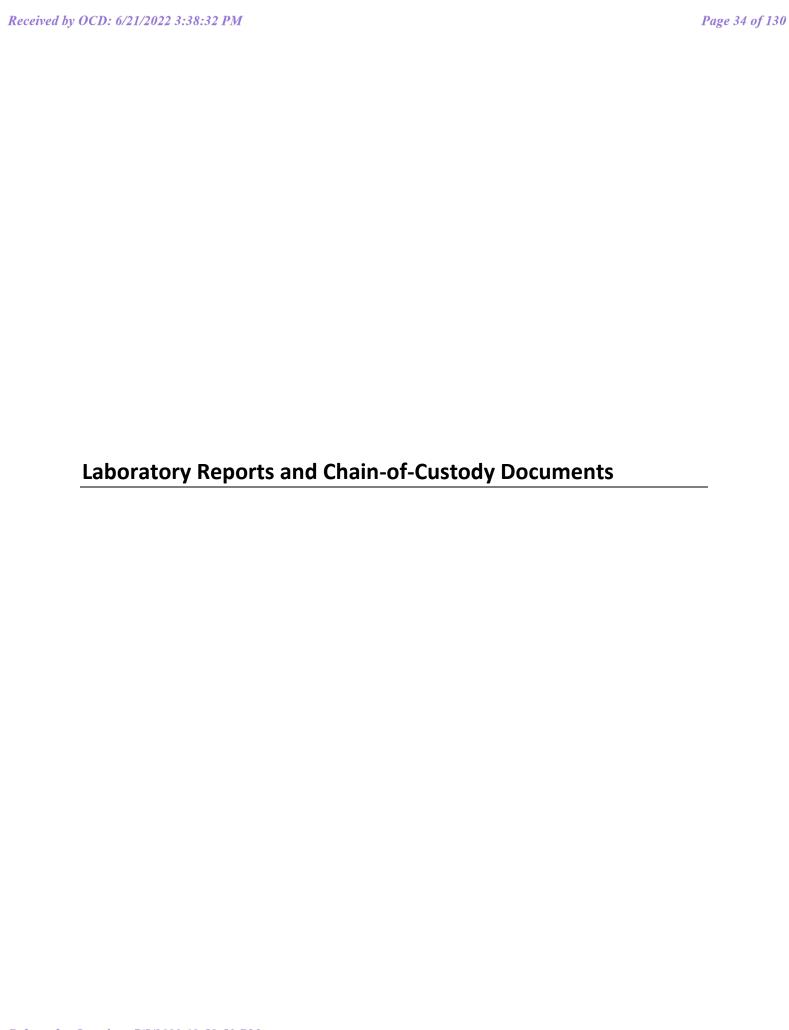
Action 74891

CONDITIONS

Operator:	OGRID:
Catena Resources Operating, LLC	328449
1001 Fannin Street	Action Number:
Houston, TX 77002	74891
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-	1/31/2022





Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-7522-1

Laboratory Sample Delivery Group: Lea Co, NM Client Project/Site: South Vaccum Unit 354

For:

NT Global 701 Tradewinds Blvd Midland, Texas 79706

Attn: Mike Carmona

WRAMER

Authorized for release by: 11/1/2021 2:22:21 PM

Jessica Kramer, Project Manager (432)704-5440

iessica.kramer@eurofinset.com

LINKS

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Released to Imaging: 7/5/2022 12:59:53 PM

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

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

1

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13

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Client: NT Global Laboratory Job ID: 880-7522-1
Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

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Definitions/Glossary

Client: NT Global Job ID: 880-7522-1 Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Qualifiers

GC VOA Qualifier

F1 MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

Qualifier Description

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

MS and/or MSD recovery exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis

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

DFR Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: NT Global Job ID: 880-7522-1 Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Job ID: 880-7522-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-7522-1

Receipt

The samples were received on 10/25/2021 11:04 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C

GC VOA

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

GC Semi VOA

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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-10743 and analytical batch 880-10944 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client: NT Global Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Client Sample ID: S-1 (0-6") Lab Sample ID: 880-7522-1

Date Collected: 10/20/21 00:00 Matrix: Solid Date Received: 10/25/21 11:04

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		10/27/21 09:00	10/27/21 18:34	
Toluene	< 0.00199	U	0.00199		mg/Kg		10/27/21 09:00	10/27/21 18:34	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		10/27/21 09:00	10/27/21 18:34	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/27/21 09:00	10/27/21 18:34	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		10/27/21 09:00	10/27/21 18:34	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/27/21 09:00	10/27/21 18:34	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	103		70 - 130				10/27/21 09:00	10/27/21 18:34	
1,4-Difluorobenzene (Surr)	99		70 - 130				10/27/21 09:00	10/27/21 18:34	
Method: Total BTEX - Total BT	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 13:41	
Method: 8015 NM - Diesel Ranç Analyte	• • •		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Method: 8015 NM - Diesel Rang Analyte Total TPH	• • •	O) (GC) Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 10/29/21 13:53	
Analyte Total TPH	Result 3330	Qualifier		MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: 8015B NM - Diesel Ra	Result 3330 nge Organics (Di	Qualifier RO) (GC)	249		mg/Kg	_ =	<u> </u>	10/29/21 13:53	
Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte	Result 3330 nge Organics (DI Result	Qualifier RO) (GC) Qualifier	249		mg/Kg	<u>D</u>	Prepared	10/29/21 13:53 Analyzed	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics	Result 3330 nge Organics (Di	Qualifier RO) (GC) Qualifier	249		mg/Kg	_ =	<u> </u>	10/29/21 13:53	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 3330 nge Organics (DI Result	Qualifier RO) (GC) Qualifier	249		mg/Kg	_ =	Prepared	10/29/21 13:53 Analyzed	Dil Fa
Analyte	Result 3330 nge Organics (Di Result <249	Qualifier RO) (GC) Qualifier	249 RL 249		mg/Kg Unit mg/Kg	_ =	Prepared 10/28/21 16:32	10/29/21 13:53 Analyzed 10/30/21 02:01	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	Result	Qualifier RO) (GC) Qualifier	249 RL 249 249		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 10/28/21 16:32 10/28/21 16:32	10/29/21 13:53 Analyzed 10/30/21 02:01 10/30/21 02:01	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier RO) (GC) Qualifier U	249 RL 249 249 249		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 10/28/21 16:32 10/28/21 16:32 10/28/21 16:32	Analyzed 10/30/21 02:01 10/30/21 02:01	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier RO) (GC) Qualifier U	249 RL 249 249 249 249		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 10/28/21 16:32 10/28/21 16:32 10/28/21 16:32 Prepared	Analyzed 10/30/21 02:01 10/30/21 02:01 10/30/21 02:01 Analyzed	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier RO) (GC) Qualifier U	249 RL 249 249 249 249 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 10/28/21 16:32 10/28/21 16:32 10/28/21 16:32 Prepared 10/28/21 16:32	Analyzed 10/30/21 02:01 10/30/21 02:01 10/30/21 02:01 Analyzed 10/30/21 02:01	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier RO) (GC) Qualifier U	249 RL 249 249 249 249 Limits 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 10/28/21 16:32 10/28/21 16:32 10/28/21 16:32 Prepared 10/28/21 16:32	Analyzed 10/30/21 02:01 10/30/21 02:01 10/30/21 02:01 Analyzed 10/30/21 02:01	Dil Fac

Client Sample ID: S-2 (0-6") Lab Sample ID: 880-7522-2 Date Collected: 10/20/21 00:00 Matrix: Solid

Date Received: 10/25/21 11:04

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/27/21 09:00	10/27/21 18:55	
Toluene	<0.00201	U	0.00201		mg/Kg		10/27/21 09:00	10/27/21 18:55	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/27/21 09:00	10/27/21 18:55	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/27/21 09:00	10/27/21 18:55	
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/27/21 09:00	10/27/21 18:55	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/27/21 09:00	10/27/21 18:55	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	72		70 - 130				10/27/21 09:00	10/27/21 18:55	
1.4-Difluorobenzene (Surr)	78		70 ₋ 130				10/27/21 09:00	10/27/21 18:55	

Client Sample Results

Client: NT Global Job ID: 880-7522-1
Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Client Sample ID: S-2 (0-6")

Lab Sample ID: 880-7522-2

Date Collected: 10/20/21 00:00 Matrix: Solid
Date Received: 10/25/21 11:04

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/01/21 13:41	1
- Method: 8015 NM - Diesel Rang	e Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2000		249		mg/Kg			10/29/21 13:53	1
- Method: 8015B NM - Diesel Rar	nge Organics (Di	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<249	U	249		mg/Kg		10/28/21 16:32	10/30/21 02:21	5
(GRO)-C6-C10									
Diesel Range Organics (Over	1650		249		mg/Kg		10/28/21 16:32	10/30/21 02:21	5
C10-C28)									
Oll Range Organics (Over	347		249		mg/Kg		10/28/21 16:32	10/30/21 02:21	5
C28-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/28/21 16:32	10/30/21 02:21	5
o-Terphenyl	109		70 - 130				10/28/21 16:32	10/30/21 02:21	5
- Method: 300.0 - Anions, Ion Ch	romatography -	Soluble							
Analyte	• • •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: S-3 (0-6")

Date Collected: 10/20/21 00:00

Lab Sample ID: 880-7522-3

Matrix: Solid

25.0

mg/Kg

2700

Date Received: 10/25/21 11:04

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/27/21 09:00	10/27/21 19:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/27/21 09:00	10/27/21 19:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/27/21 09:00	10/27/21 19:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/27/21 09:00	10/27/21 19:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/27/21 09:00	10/27/21 19:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/27/21 09:00	10/27/21 19:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/27/21 09:00	10/27/21 19:15	1
1,4-Difluorobenzene (Surr)	113		70 - 130				10/27/21 09:00	10/27/21 19:15	1
1,4 Billadiobelizerie (Gari)									
Method: Total BTEX - Total B'	TEX Calculation	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: Total BTEX - Total B	TEX Calculation			MDL	Unit mg/Kg	<u>D</u>		Analyzed 11/01/21 13:41	Dil Fac
Method: Total BTEX - Total B Analyte	FEX Calculation Result <0.00400	U	RL	MDL		<u>D</u>			Dil Fac
Method: Total BTEX - Total B' Analyte Total BTEX Method: 8015 NM - Diesel Rai	FEX Calculation Result <0.00400 nge Organics (DR0	U	RL	MDL	mg/Kg	D_			Dil Fac
Method: Total BTEX - Total B' Analyte Total BTEX	FEX Calculation Result <0.00400 nge Organics (DR0	U (GC)	RL		mg/Kg		Prepared	11/01/21 13:41	1
Method: Total BTEX - Total B' Analyte Total BTEX Method: 8015 NM - Diesel Rai Analyte Total TPH	rex Calculation Result <0.00400 nge Organics (DR) Result 112	O) (GC) Qualifier			mg/Kg		Prepared	11/01/21 13:41 Analyzed	1
Method: Total BTEX - Total B' Analyte Total BTEX Method: 8015 NM - Diesel Rai Analyte	FEX Calculation Result <0.00400 nge Organics (DR) Result 112 ange Organics (D	O) (GC) Qualifier			mg/Kg Unit mg/Kg		Prepared	11/01/21 13:41 Analyzed	1

Eurofins Xenco, Midland

10/29/21 13:35

SDG: Lea Co, NM

Project/Site: South Vaccum Unit 354 Client Sample ID: S-3 (0-6")

Client: NT Global

Lab Sample ID: 880-7522-3

Date Collected: 10/20/21 00:00 Date Received: 10/25/21 11:04

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	112		50.0		mg/Kg		10/28/21 16:32	10/30/21 02:41	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/28/21 16:32	10/30/21 02:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				10/28/21 16:32	10/30/21 02:41	1
o-Terphenyl	111		70 - 130				10/28/21 16:32	10/30/21 02:41	1

Prepared Analyzed Dil Fac 10/29/21 13:43

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL MDL Unit Chloride 2600 25.0 mg/Kg

Client Sample ID: S-4 (0-6") Lab Sample ID: 880-7522-4 Date Collected: 10/20/21 00:00 **Matrix: Solid**

mg/Kg

Date Received: 10/25/21 11:04

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/27/21 09:00	10/27/21 19:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/27/21 09:00	10/27/21 19:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/27/21 09:00	10/27/21 19:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/27/21 09:00	10/27/21 19:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/27/21 09:00	10/27/21 19:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/27/21 09:00	10/27/21 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				10/27/21 09:00	10/27/21 19:35	1

1	1
Dil Fac	С
,	'
))

Method: 8015 NM - Diesel Rang	e Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.1		49.8		mg/Kg			10/29/21 13:53	1
Method: 8015B NM - Diesel Ran	• • •	, , ,				_			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		10/28/21 16:32	10/30/21 03:02	1
(GRO)-C6-C10									

Diesel Range Organics (Over C10-C28)	64.1		49.8	mg/Kg	10/28/21 16:32	10/30/21 03:02	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg	10/28/21 16:32	10/30/21 03:02	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130		10/28/21 16:32	10/30/21 03:02	1

Method: 300.0 - Anions, Ion Chroma	atography - Solubl	е						
Analyte	Result Qualifie	er RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9500	50.5		mg/Kg			10/29/21 13:50	10

Client: NT Global Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Client Sample ID: H-1 (0-6")

Date Collected: 10/20/21 00:00 Date Received: 10/25/21 11:04

Lab Sample ID: 880-7522-5

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/27/21 09:00	10/27/21 19:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/27/21 09:00	10/27/21 19:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/27/21 09:00	10/27/21 19:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/27/21 09:00	10/27/21 19:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/27/21 09:00	10/27/21 19:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/27/21 09:00	10/27/21 19:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				10/27/21 09:00	10/27/21 19:56	1
1,4-Difluorobenzene (Surr)	80		70 - 130				10/27/21 09:00	10/27/21 19:56	1

Method: Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00398 U 0.00398 mg/Kg 11/01/21 13:41

Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total TPH <49.9 U 10/29/21 13:53 49.9 mg/Kg

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

RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <49.9 U 49.9 10/28/21 16:32 10/30/21 03:21 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 49.9 10/28/21 16:32 10/30/21 03:21 mg/Kg C10-C28) OII Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 10/28/21 16:32 10/30/21 03:21

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 101 70 - 130 10/28/21 16:32 10/30/21 03:21 103 70 - 130 10/28/21 16:32 10/30/21 03:21 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 734 F1 4.99 10/29/21 13:57 Chloride mg/Kg

Client Sample ID: H-2 (0-6")

Date Collected: 10/20/21 00:00 Date Received: 10/25/21 11:04

Lab Sample ID: 880-7522-6

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/27/21 09:00	10/27/21 20:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/27/21 09:00	10/27/21 20:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/27/21 09:00	10/27/21 20:16	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/27/21 09:00	10/27/21 20:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/27/21 09:00	10/27/21 20:16	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/27/21 09:00	10/27/21 20:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				10/27/21 09:00	10/27/21 20:16	1
1,4-Difluorobenzene (Surr)	74		70 - 130				10/27/21 09:00	10/27/21 20:16	1

Client: NT Global Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Client Sample ID: H-2 (0-6") Lab Sample ID: 880-7522-6

Date Collected: 10/20/21 00:00 Matrix: Solid

Date Received: 10/25/21 11:04

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/01/21 13:41	1
- Method: 8015 NM - Diesel Ranç	ge Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	232		49.9		mg/Kg			10/29/21 13:53	1
- Method: 8015B NM - Diesel Rai	nge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		10/28/21 16:32	10/30/21 03:42	1
(GRO)-C6-C10									
Diesel Range Organics (Over	174		49.9		mg/Kg		10/28/21 16:32	10/30/21 03:42	1
C10-C28)									
Oll Range Organics (Over	58.2		49.9		mg/Kg		10/28/21 16:32	10/30/21 03:42	1
C28-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/28/21 16:32	10/30/21 03:42	1
o-Terphenyl	105		70 - 130				10/28/21 16:32	10/30/21 03:42	1
Method: 300.0 - Anions, Ion Ch	romatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	242		5.04		mg/Kg			10/29/21 14:18	1

Client Sample ID: H-3 (0-6") Lab Sample ID: 880-7522-7

Date Collected: 10/20/21 00:00 Date Received: 10/25/21 11:04

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/27/21 09:00	10/27/21 20:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/27/21 09:00	10/27/21 20:36	1
Ethylbenzene	0.00493		0.00201		mg/Kg		10/27/21 09:00	10/27/21 20:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/27/21 09:00	10/27/21 20:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/27/21 09:00	10/27/21 20:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/27/21 09:00	10/27/21 20:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				10/27/21 09:00	10/27/21 20:36	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/27/21 09:00	10/27/21 20:36	1
Method: Total BTEX - Total B	TEX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00493		0.00402		mg/Kg			11/01/21 13:41	1
Method: 8015 NM - Diesel Rai	nge Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	236		49.9		mg/Kg			10/29/21 13:53	1
		DO) (OO)							
Method: 8015B NM - Diesel R	ange Organics (D	KU) (GC)							
Method: 8015B NM - Diesel R Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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Matrix: Solid

Client: NT Global Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Client Sample ID: H-3 (0-6") Lab Sample ID: 880-7522-7 Date Collected: 10/20/21 00:00 Matrix: Solid

Date Received: 10/25/21 11:04

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	174		49.9		mg/Kg		10/28/21 16:32	10/30/21 04:02	1
C10-C28)									
Oll Range Organics (Over	61.5		49.9		mg/Kg		10/28/21 16:32	10/30/21 04:02	1
C28-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				10/28/21 16:32	10/30/21 04:02	1
o-Terphenyl	103		70 - 130				10/28/21 16:32	10/30/21 04:02	1
Method: 300.0 - Anions, Ion Ch	romatography -	Soluble							
Analyte	0	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: H-4 (0-6") Lab Sample ID: 880-7522-8

4.97

mg/Kg

188

Date Collected: 10/20/21 00:00 Date Received: 10/25/21 11:04

Chloride

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 10/27/21 09:00 10/27/21 20:57 Toluene <0.00200 U 0.00200 mg/Kg 10/27/21 09:00 10/27/21 20:57 Ethylbenzene <0.00200 U 0.00200 mg/Kg 10/27/21 09:00 10/27/21 20:57 m-Xylene & p-Xylene <0.00399 U 0.00399 10/27/21 09:00 10/27/21 20:57 mg/Kg o-Xylene <0.00200 U 0.00200 10/27/21 09:00 10/27/21 20:57 mg/Kg <0.00399 U 0.00399 Xylenes, Total mg/Kg 10/27/21 09:00 10/27/21 20:57 Surrogate %Recovery Qualifier Analyzed

Surroyate	MRECOVERY Q	quanner Linns	•	rrepareu	Allalyzeu	DII Fac
4-Bromofluorobenzene (Surr)	101	70 - 130	10/	/27/21 09:00	10/27/21 20:57	1
1,4-Difluorobenzene (Surr)	95	70 - 130	10/	/27/21 09:00	10/27/21 20:57	1
F						

Method: Total BTEX - Total BTEX Cal	culation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/01/21 13:41	1

Method: 8015 NM - Diesel Range O	rganics (DRO) (GC)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	148	49.8	mg/Kg			10/29/21 13:53	1

Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		10/28/21 16:32	10/30/21 04:22	1
(GRO)-C6-C10									
Diesel Range Organics (Over	148		49.8		mg/Kg		10/28/21 16:32	10/30/21 04:22	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/28/21 16:32	10/30/21 04:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				10/28/21 16:32	10/30/21 04:22	1
o-Terphenyl	104		70 - 130				10/28/21 16:32	10/30/21 04:22	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	244	4.95	mg/Kg			10/29/21 14:47	1

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10/29/21 14:26

Matrix: Solid

Surrogate Summary

Client: NT Global Job ID: 880-7522-1
Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-7519-A-1-B MS	Matrix Spike	102	104	
880-7519-A-1-C MSD	Matrix Spike Duplicate	122	101	
880-7522-1	S-1 (0-6")	103	99	
880-7522-2	S-2 (0-6")	72	78	
880-7522-3	S-3 (0-6")	108	113	
880-7522-4	S-4 (0-6")	98	104	
880-7522-5	H-1 (0-6")	96	80	
880-7522-6	H-2 (0-6")	86	74	
880-7522-7	H-3 (0-6")	101	100	
880-7522-8	H-4 (0-6")	101	95	
LCS 880-10436/1-A	Lab Control Sample	93	100	
LCSD 880-10436/2-A	Lab Control Sample Dup	95	99	
MB 880-10436/5-A	Method Blank	100	110	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-7440-A-2-E MS	Matrix Spike	101	95	
880-7440-A-2-F MSD	Matrix Spike Duplicate	103	100	
880-7522-1	S-1 (0-6")	91	89	
880-7522-2	S-2 (0-6")	112	109	
880-7522-3	S-3 (0-6")	118	111	
880-7522-4	S-4 (0-6")	109	105	
880-7522-5	H-1 (0-6")	101	103	
880-7522-6	H-2 (0-6")	108	105	
880-7522-7	H-3 (0-6")	104	103	
880-7522-8	H-4 (0-6")	111	104	
LCS 880-10871/2-A	Lab Control Sample	102	96	
LCSD 880-10871/3-A	Lab Control Sample Dup	99	92	
MB 880-10871/1-A	Method Blank	115	123	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Client: NT Global

Job ID: 880-7522-1

SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-10436/5-A

Lab Sample ID: LCS 880-10436/1-A

Matrix: Solid

Analysis Batch: 10677

Project/Site: South Vaccum Unit 354

Matrix: Solid Analysis Batch: 10677 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 10436

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/27/21 09:00	10/27/21 12:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/27/21 09:00	10/27/21 12:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/27/21 09:00	10/27/21 12:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/27/21 09:00	10/27/21 12:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/27/21 09:00	10/27/21 12:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/27/21 09:00	10/27/21 12:32	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100	70 - 130	10/27/21 09:00	10/27/21 12:32	1
1,4-Difluorobenzene (Surr)	110	70 - 130	10/27/21 09:00	10/27/21 12:32	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 10436

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1073 mg/Kg 107 70 - 130 Toluene 0.100 0.1166 mg/Kg 117 70 - 130 0.100 Ethylbenzene 0.1176 mg/Kg 118 70 - 130 m-Xylene & p-Xylene 0.200 0.2333 70 - 130 mg/Kg 117 0.100 70 - 130 o-Xylene 0.1270 mg/Kg 127

LCS LCS

Surrogate 4-Bromofluorobenzene (Surr)	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid Analysis Batch: 10677

Lab Sample ID: LCSD 880-10436/2-A

Prep Type: Total/NA Prep Batch: 10436

	Spike	LC2D	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1055		mg/Kg		105	70 - 130	2	35	
Toluene	0.100	0.1152		mg/Kg		115	70 - 130	1	35	
Ethylbenzene	0.100	0.1203		mg/Kg		120	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.2353		mg/Kg		118	70 - 130	1	35	
o-Xylene	0.100	0.1239		mg/Kg		124	70 - 130	2	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1.4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-7519-A-1-B MS

Matrix: Solid

Analysis Batch: 10677

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

Prep Batch: 10436

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U F2 F1	0.101	0.003788	F1	mg/Kg		4	70 - 130	
Toluene	<0.00202	U F1	0.101	0.01188	F1	mg/Kg		11	70 - 130	

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QC Sample Results

Client: NT Global Job ID: 880-7522-1 Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

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

Lab Sample ID: 880-7519-A-1-B MS

Lab Sample ID: 880-7519-A-1-C MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 10677

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 10436

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00202 UF1 0.101 0.01362 F1 14 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00404 U F2 F1 0.201 0.004926 F1 mg/Kg 2 70 - 130 o-Xylene <0.00202 U F2 F1 0.101 <0.00201 UF1 2 70 - 130 mg/Kg

MS MS

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

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 10436

Analysis Batch: 10677 Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Added %Rec RPD Limit Analyte Result Qualifier Limits Unit 0.100 Benzene <0.00202 U F2 F1 0.007038 F2 F1 mg/Kg 7 70 - 130 60 35 Toluene <0.00202 UF1 0.100 0.01136 F1 mg/Kg 11 70 - 130 4 35 Ethylbenzene <0.00202 UF1 0.100 0.01667 F1 17 70 - 130 35 mg/Kg 20 0.200 m-Xylene & p-Xylene <0.00404 U F2 F1 0.02817 F2 F1 mq/Kq 14 70 - 130 140 35 <0.00202 U F2 F1 0.100 0.02794 F2 F1 28 70 - 130 178 o-Xylene mg/Kg

MSD MSD

мв мв Result Qualifier

<50.0 U

Surrogate	%Recovery C	Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-10871/1-A

Matrix: Solid

Analyte

Analysis Batch: 10887

Gasoline Range Organics

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 10871

Prepared Analyzed Dil Fac 10/28/21 16:32 10/29/21 19:59

(GRO)-C6-C10 10/28/21 16:32 10/29/21 19:59 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 10/28/21 16:32 10/29/21 19:59 mg/Kg

RL

50.0

MDL Unit

mg/Kg

D

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	10/28/21 16:32	10/29/21 19:59	1
o-Terphenyl	123		70 - 130	10/28/21 16:32	10/29/21 19:59	1

Lab Sample ID: LCS 880-10871/2-A

Matrix: Solid

Analysis Batch: 10887

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

Prep Batch: 10871

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1166		mg/Kg		117	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	878.0		mg/Kg		88	70 - 130	
C10-C28)								

Client: NT Global Job ID: 880-7522-1 Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

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

LCS LCS

%Recovery Qualifier

102

96

Lab Sample ID: LCS 880-10871/2-A Client Sample ID: Lab Control Sample

Limits

70 - 130

70 - 130

Matrix: Solid

Surrogate

o-Terphenyl

1-Chlorooctane

Analysis Batch: 10887

Prep Type: Total/NA

Prep Batch: 10871

Lab Sample ID: LCSD 880-10871/3-A

Matrix: Solid

Analysis Batch: 10887

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 10871

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 1072 107 70 - 1308 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 835.4 mg/Kg 84 70 - 1305 20 C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits 99 70 - 130 1-Chlorooctane 92 70 - 130 o-Terphenyl

Lab Sample ID: 880-7440-A-2-E MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 10887

Prep Type: Total/NA

Prep Batch: 10871

Sample Sample MS MS Spike Analyte Added Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 997 1240 mg/Kg 124 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 997 955.8 mg/Kg 94 70 - 130 C10-C28)

MS MS %Recovery Surrogate

Qualifier Limits 70 - 130 1-Chlorooctane 101 o-Terphenyl 95 70 - 130

Lab Sample ID: 880-7440-A-2-F MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid**

Analysis Batch: 10887

Prep Type: Total/NA Prep Batch: 10871 %Rec.

Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit U 1000 1271 Gasoline Range Organics <49.9 mg/Kg 127 70 - 130 2 20 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 1000 1022 mg/Kg 100 70 - 130 20

MSD MSD

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	100		70 - 130

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RPD

QC Sample Results

Client: NT Global Job ID: 880-7522-1 Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-10743/1-A

Matrix: Solid

Lab Sample ID: LCS 880-10743/2-A

Analysis Batch: 10944

MB MB

Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 10/29/21 11:47

> Client Sample ID: Lab Control Sample **Prep Type: Soluble**

> > Client Sample ID: H-1 (0-6")

Prep Type: Soluble

Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 10944

Spike LCS LCS %Rec. Added Qualifier Analyte Result Unit D %Rec Limits Chloride 250 251.0 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-10743/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 10944

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 251.5 90 - 110 mg/Kg 101

Lab Sample ID: 880-7522-5 MS Client Sample ID: H-1 (0-6") **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 10944

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 918.0 F1 Chloride 734 F1 250 90 - 110 mg/Kg

Lab Sample ID: 880-7522-5 MSD

Matrix: Solid

Analysis Batch: 10944

Sample Sample Spike MSD MSD %Rec. RPD Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits RPD Limit 734 F1 Chloride 250 908.0 F1 mg/Kg 70 90 - 110 20

QC Association Summary

Client: NT Global Job ID: 880-7522-1
Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

GC VOA

Prep Batch: 10436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7522-1	S-1 (0-6")	Total/NA	Solid	5035	
880-7522-2	S-2 (0-6")	Total/NA	Solid	5035	
880-7522-3	S-3 (0-6")	Total/NA	Solid	5035	
880-7522-4	S-4 (0-6")	Total/NA	Solid	5035	
880-7522-5	H-1 (0-6")	Total/NA	Solid	5035	
880-7522-6	H-2 (0-6")	Total/NA	Solid	5035	
880-7522-7	H-3 (0-6")	Total/NA	Solid	5035	
880-7522-8	H-4 (0-6")	Total/NA	Solid	5035	
MB 880-10436/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-10436/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-10436/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-7519-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-7519-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 10677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7522-1	S-1 (0-6")	Total/NA	Solid	8021B	10436
880-7522-2	S-2 (0-6")	Total/NA	Solid	8021B	10436
880-7522-3	S-3 (0-6")	Total/NA	Solid	8021B	10436
880-7522-4	S-4 (0-6")	Total/NA	Solid	8021B	10436
880-7522-5	H-1 (0-6")	Total/NA	Solid	8021B	10436
880-7522-6	H-2 (0-6")	Total/NA	Solid	8021B	10436
880-7522-7	H-3 (0-6")	Total/NA	Solid	8021B	10436
880-7522-8	H-4 (0-6")	Total/NA	Solid	8021B	10436
MB 880-10436/5-A	Method Blank	Total/NA	Solid	8021B	10436
LCS 880-10436/1-A	Lab Control Sample	Total/NA	Solid	8021B	10436
LCSD 880-10436/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	10436
880-7519-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	10436
880-7519-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	10436

Analysis Batch: 11149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7522-1	S-1 (0-6")	Total/NA	Solid	Total BTEX	
880-7522-2	S-2 (0-6")	Total/NA	Solid	Total BTEX	
880-7522-3	S-3 (0-6")	Total/NA	Solid	Total BTEX	
880-7522-4	S-4 (0-6")	Total/NA	Solid	Total BTEX	
880-7522-5	H-1 (0-6")	Total/NA	Solid	Total BTEX	
880-7522-6	H-2 (0-6")	Total/NA	Solid	Total BTEX	
880-7522-7	H-3 (0-6")	Total/NA	Solid	Total BTEX	
880-7522-8	H-4 (0-6")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 10871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7522-1	S-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-7522-2	S-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-7522-3	S-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-7522-4	S-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-7522-5	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-7522-6	H-2 (0-6")	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: NT Global Job ID: 880-7522-1
Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 10871 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7522-7	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-7522-8	H-4 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-10871/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-10871/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-10871/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-7440-A-2-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-7440-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 10887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7522-1	S-1 (0-6")	Total/NA	Solid	8015B NM	10871
880-7522-2	S-2 (0-6")	Total/NA	Solid	8015B NM	10871
880-7522-3	S-3 (0-6")	Total/NA	Solid	8015B NM	10871
880-7522-4	S-4 (0-6")	Total/NA	Solid	8015B NM	10871
880-7522-5	H-1 (0-6")	Total/NA	Solid	8015B NM	10871
880-7522-6	H-2 (0-6")	Total/NA	Solid	8015B NM	10871
880-7522-7	H-3 (0-6")	Total/NA	Solid	8015B NM	10871
880-7522-8	H-4 (0-6")	Total/NA	Solid	8015B NM	10871
MB 880-10871/1-A	Method Blank	Total/NA	Solid	8015B NM	10871
LCS 880-10871/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	10871
LCSD 880-10871/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	10871
880-7440-A-2-E MS	Matrix Spike	Total/NA	Solid	8015B NM	10871
880-7440-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	10871

Analysis Batch: 10946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7522-1	S-1 (0-6")	Total/NA	Solid	8015 NM	
880-7522-2	S-2 (0-6")	Total/NA	Solid	8015 NM	
880-7522-3	S-3 (0-6")	Total/NA	Solid	8015 NM	
880-7522-4	S-4 (0-6")	Total/NA	Solid	8015 NM	
880-7522-5	H-1 (0-6")	Total/NA	Solid	8015 NM	
880-7522-6	H-2 (0-6")	Total/NA	Solid	8015 NM	
880-7522-7	H-3 (0-6")	Total/NA	Solid	8015 NM	
880-7522-8	H-4 (0-6")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 10743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7522-1	S-1 (0-6")	Soluble	Solid	DI Leach	
880-7522-2	S-2 (0-6")	Soluble	Solid	DI Leach	
880-7522-3	S-3 (0-6")	Soluble	Solid	DI Leach	
880-7522-4	S-4 (0-6")	Soluble	Solid	DI Leach	
880-7522-5	H-1 (0-6")	Soluble	Solid	DI Leach	
880-7522-6	H-2 (0-6")	Soluble	Solid	DI Leach	
880-7522-7	H-3 (0-6")	Soluble	Solid	DI Leach	
880-7522-8	H-4 (0-6")	Soluble	Solid	DI Leach	
MB 880-10743/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-10743/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-10743/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7522-5 MS	H-1 (0-6")	Soluble	Solid	DI Leach	

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QC Association Summary

Client: NT Global Job ID: 880-7522-1
Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 10743 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7522-5 MSD	H-1 (0-6")	Soluble	Solid	DI Leach	

Analysis Batch: 10944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7522-1	S-1 (0-6")	Soluble	Solid	300.0	10743
880-7522-2	S-2 (0-6")	Soluble	Solid	300.0	10743
880-7522-3	S-3 (0-6")	Soluble	Solid	300.0	10743
880-7522-4	S-4 (0-6")	Soluble	Solid	300.0	10743
880-7522-5	H-1 (0-6")	Soluble	Solid	300.0	10743
880-7522-6	H-2 (0-6")	Soluble	Solid	300.0	10743
880-7522-7	H-3 (0-6")	Soluble	Solid	300.0	10743
880-7522-8	H-4 (0-6")	Soluble	Solid	300.0	10743
MB 880-10743/1-A	Method Blank	Soluble	Solid	300.0	10743
LCS 880-10743/2-A	Lab Control Sample	Soluble	Solid	300.0	10743
LCSD 880-10743/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	10743
880-7522-5 MS	H-1 (0-6")	Soluble	Solid	300.0	10743
880-7522-5 MSD	H-1 (0-6")	Soluble	Solid	300.0	10743

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Client: NT Global Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Client Sample ID: S-1 (0-6") Lab Sample ID: 880-7522-1 Date Collected: 10/20/21 00:00

Matrix: Solid

Date Received: 10/25/21 11:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	10436	10/27/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10677	10/27/21 18:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		5			10887	10/30/21 02:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			10944	10/29/21 13:28	CH	XEN MID

Client Sample ID: S-2 (0-6") Lab Sample ID: 880-7522-2

Date Collected: 10/20/21 00:00 Matrix: Solid

Date Received: 10/25/21 11:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	10436	10/27/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10677	10/27/21 18:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		5			10887	10/30/21 02:21	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		5			10944	10/29/21 13:35	CH	XEN MID

Client Sample ID: S-3 (0-6") Lab Sample ID: 880-7522-3

Date Collected: 10/20/21 00:00 **Matrix: Solid** Date Received: 10/25/21 11:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	10436	10/27/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10677	10/27/21 19:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10887	10/30/21 02:41	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		5			10944	10/29/21 13:43	CH	XEN MID

Client Sample ID: S-4 (0-6") Lab Sample ID: 880-7522-4

Date Collected: 10/20/21 00:00 **Matrix: Solid** Date Received: 10/25/21 11:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	10436	10/27/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10677	10/27/21 19:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID

Client: NT Global Job ID: 880-7522-1 Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Lab Sample ID: 880-7522-4

Client Sample ID: S-4 (0-6") Date Collected: 10/20/21 00:00

Date Received: 10/25/21 11:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10887	10/30/21 03:02	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		10			10944	10/29/21 13:50	CH	XEN MID

Lab Sample ID: 880-7522-5

Client Sample ID: H-1 (0-6") Date Collected: 10/20/21 00:00 **Matrix: Solid**

Date Received: 10/25/21 11:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	10436	10/27/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10677	10/27/21 19:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10887	10/30/21 03:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			10944	10/29/21 13:57	CH	XEN MID

Client Sample ID: H-2 (0-6") Lab Sample ID: 880-7522-6

Date Collected: 10/20/21 00:00 Date Received: 10/25/21 11:04

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	10436	10/27/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10677	10/27/21 20:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10887	10/30/21 03:42	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			10944	10/29/21 14:18	CH	XEN MID

Client Sample ID: H-3 (0-6") Lab Sample ID: 880-7522-7

Date Collected: 10/20/21 00:00 Date Received: 10/25/21 11:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	10436	10/27/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10677	10/27/21 20:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10887	10/30/21 04:02	AJ	XEN MID

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Client: NT Global Job ID: 880-7522-1 Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Client Sample ID: H-3 (0-6") Lab Sample ID: 880-7522-7

Date Collected: 10/20/21 00:00 Matrix: Solid Date Received: 10/25/21 11:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			10944	10/29/21 14:26	CH	XEN MID

Client Sample ID: H-4 (0-6") Lab Sample ID: 880-7522-8

Date Collected: 10/20/21 00:00 **Matrix: Solid**

Date Received: 10/25/21 11:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10436	10/27/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10677	10/27/21 20:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	10871	10/28/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10887	10/30/21 04:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	10743	10/27/21 12:42	SC	XEN MID
Soluble	Analysis	300.0		1			10944	10/29/21 14:47	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global Job ID: 880-7522-1
Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NI	ELAP	T104704400-21-22	06-30-22
The following analytes	are included in this report hi	it the laboratory is not certific	ed by the governing authority. This list ma	av include analytes for
the agency does not of	. ,	at the laboratory is not certifi	ed by the governing admonty. This list me	ay include analytes for
,	. ,	Matrix	Analyte	ay include analytes for
the agency does not of	fer certification.	•	, , ,	

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Method Summary

Client: NT Global Job ID: 880-7522-1
Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Xenco, Midland

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H-2 (0-6")

H-3 (0-6")

H-4 (0-6")

880-7522-6

880-7522-7

880-7522-8

Sample Summary

Solid

Solid

Solid

10/20/21 00:00

10/20/21 00:00

10/20/21 00:00

10/25/21 11:04

10/25/21 11:04

10/25/21 11:04

Client: NT Global Job ID: 880-7522-1
Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-7522-1	S-1 (0-6")	Solid	10/20/21 00:00	10/25/21 11:04
880-7522-2	S-2 (0-6")	Solid	10/20/21 00:00	10/25/21 11:04
880-7522-3	S-3 (0-6")	Solid	10/20/21 00:00	10/25/21 11:04
880-7522-4	S-4 (0-6")	Solid	10/20/21 00:00	10/25/21 11:04
880-7522-5	H-1 (0-6")	Solid	10/20/21 00:00	10/25/21 11:04

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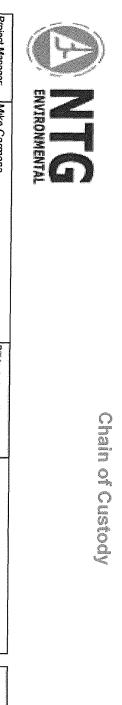
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Project Manager	Mike Carmona				Bill to (if different)	ent)											¥ork	Orde	Work Order Comments	ment	S		
Company Name.	NTG Environmental	ental			Company Name	me.								Program: UST/PST PRP	m: UST	/PST	PRP	.	Brownfields	Տ □	RRC	uperfund [
Address.	701 Tradewinds BLVD	BLVD			Address.									State of Project	f Proje	욖.	l						
City, State ZIP	Midland, TX 79706	706			City, State ZIP	Ð								Reporting Level II Level III	ng Leve		Levell		□st/ust		RRP	Level IV	<u> </u>
Phone	432-813-0263			Email	mcarmona@ntglobal com	@ntgloba	com							Deliverables	ables i	EDD [L		ADaPT 🗆	0	Other		
Project Name.	South Va	South Vaccum Unit 354	4	Tum	Turn Around						≥	ANAL YS	SREC	YSIS REQUEST						Droc		Via Codos	1[
Project Number		214802		✓ Routine	Rush	೧ತ	Code s								_	\dashv		\dashv	N On	None NO	9	NO DI Water H.O	
Project Location	Lea	Lea Co, NM		Due Date	Standard										_	-	\dashv	-	<u>၂</u>	Cool Cool		MeOH Me	
Sampler's Name.		CCM		TAT starts the day received by the	day received by	the		MRO)									<u>-</u> -	· · · · ·	HCI	HCL HC		HNO ₃ HN	
SAMPLE RECEIPT		Temp Blank) Information		ters	· · · · · · · · · · · · · · · · · · ·	3 RO + I			_								H ₂ S	H ₂ SO ₄ H ₂		NaOH Na	
Received Intact:	/ Yes	_	Thermometer ID	ter ID									<u></u>							NaHSO, NARIS	JARIS		
Cooler Custody Seals.	Yes		Correction Factor	Factor	0.1			TEX (GR	lorid		·		······································		·			но		Na ₂ S ₂ O ₃ NaSO ₃	VaSO ₃		
Calliple Custody Seals	ies	NO (N/A	emperatu	l emperature Keading	1														Zn /	Zn Acetate+NaOH Zn	+Na0	H Zn	
Total Containers,			Jorrected	Corrected Temperature.				H 80			<u></u>		···········			············			NaC)H+Ası	corbic.	NaOH+Ascorbic Acid SAPC	
Sample Identification	ification	Date	Time	Soil	Water C	Comp CC	Cont	ТР										······		Sam	ple C	Sample Comments	
S-1 (0-6")	6")	10/20/2021		×		G .		×	×		_	-	\dashv		-	\dashv	_	\dashv	\dashv		į		
S-2 (0-6")	6")	10/20/2021		×		G .	1	×	×			-	\dashv		_	1	-	+					
S-3 (0-6")	6")	10/20/2021		×		G		×	×							\dashv	-	-	-				
S-4 (0-6")	6")	10/20/2021		×		6		×	×														
H-1 (0-6")	6")	10/20/2021		×		G		×	×														
H-2 (0-6")	6")	10/20/2021		×		G	1	×	×								_	\dashv					
H-3 (0-6")	6")	10/20/2021		×		6	_	×	-														
H-4 (0-6")	6")	10/20/2021		×		6		×	×														
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otice. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and condition of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the creative of Xenco. A minimum charge of \$85,00 will be applied to each project and a charge of \$6 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	ocument and relinqu lable only for the cos rge of \$85.00 will be	ishment of sample it of samples and a applied to each pr	es constitute shall not ass oject and a	s a valid purchas ume any respons harge of \$5 for e	se order from cli sibility for any lo sach sample sub	ent compan sses or exp mitted to Xe	y to Xeno enses inc enco, but	o, its aff curred by not anal	iliates an / the clier yzed. The	d subcontr t if such lo se terms v	actors. It	It assigns re due to ci	standard cumstan	igns standard terms and conditions to circumstances beyond the control dunless previously negotiated.	d condition of the corotated.	ons ntrol							
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Login Sample Receipt Checklist

Client: NT Global Job Number: 880-7522-1 SDG Number: Lea Co, NM

List Source: Eurofins Xenco, Midland

Login Number: 7522 List Number: 1 Creator: Teel, Brianna

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Eurotins Xenco, Midiand

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Report to:
Mike Carmona



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

NTG-New Tech Global Environmental

Project Name: South Vacuum Unit 354

Work Order: E112047

Job Number: 21106-0001

Received: 12/9/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/15/21

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. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/15/21

Mike Carmona 911 Regional Park Dr. Houston, TX 77060

Project Name: South Vacuum Unit 354

Workorder: E112047

Date Received: 12/9/2021 12:05:00PM

Mike Carmona,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2021 12:05:00PM, under the Project Name: South Vacuum Unit 354.

The analytical test results summarized in this report with the Project Name: South Vacuum Unit 354 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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Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Γ	NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	Donoutoda
l	911 Regional Park Dr.	Project Number:	21106-0001	Reported:
1	Houston TX, 77060	Project Manager:	Mike Carmona	12/15/21 15:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
T-1 (0-1')	E112047-01A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
	E112047-01B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-1 (1')	E112047-02A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
	E112047-02B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-2 (0-1')	E112047-03A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
	E112047-03B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-2 (1')	E112047-04A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
	E112047-04B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-3 (0-1')	E112047-05A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
	E112047-05B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-3 (1')	E112047-06A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
	E112047-06B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-4 (0-1')	E112047-07A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
	E112047-07B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-4 (1')	E112047-08A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
	E112047-08B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:59:02PM

T-1 (0-1') E112047-01

	E112047-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2150036
ND	0.0250	1	12/10/21	12/14/21	
ND	0.0250	1	12/10/21	12/14/21	
ND	0.0250	1	12/10/21	12/14/21	
ND	0.0250	1	12/10/21	12/14/21	
ND	0.0500	1	12/10/21	12/14/21	
ND	0.0250	1	12/10/21	12/14/21	
	102 %	70-130	12/10/21	12/14/21	
mg/kg	mg/kg	Analyst: RKS			Batch: 2150036
ND	20.0	1	12/10/21	12/14/21	
	95.7 %	70-130	12/10/21	12/14/21	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2151004
1580	25.0	1	12/13/21	12/14/21	
968	50.0	1	12/13/21	12/14/21	
	123 %	50-200	12/13/21	12/14/21	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2150064
1320	100	5	12/13/21	12/13/21	
	mg/kg ND ND ND ND ND ND ND ND The state of t	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 IO2 % mg/kg mg/kg mg/kg ND 20.0 95.7 % mg/kg mg/kg mg/kg 1580 25.0 968 50.0 123 % 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 mg/kg mg/kg Anal ND 20.0 1 95.7 % 70-130 70-130 mg/kg mg/kg Anal 1580 25.0 1 968 50.0 1 123 % 50-200 mg/kg Mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 12/10/21 ND 0.0250 1 12/10/21 ND 0.0250 1 12/10/21 ND 0.0500 1 12/10/21 ND 0.0250 1 12/10/21 mg/kg 70-130 12/10/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 12/10/21 mg/kg mg/kg Analyst: JL mg/kg mg/kg Analyst: JL 1580 25.0 1 12/13/21 968 50.0 1 12/13/21 mg/kg mg/kg Analyst: IV	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 12/10/21 12/14/21 ND 0.0250 1 12/10/21 12/14/21 ND 0.0250 1 12/10/21 12/14/21 ND 0.0500 1 12/10/21 12/14/21 ND 0.0250 1 12/10/21 12/14/21 mg/kg 70-130 12/10/21 12/14/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 12/10/21 12/14/21 mg/kg mg/kg Analyst: JL 12/10/21 12/14/21 mg/kg mg/kg Analyst: JL 12/13/21 12/14/21 mg/kg 50.0 1 12/13/21 12/14/21 mg/kg mg/kg Analyst: IY 12/14/21



NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:59:02PM

T-1 (1') E112047-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2150036
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2150036
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2151004
Diesel Range Organics (C10-C28)	947	50.0	2	12/13/21	12/15/21	
Oil Range Organics (C28-C36)	859	100	2	12/13/21	12/15/21	
Surrogate: n-Nonane		122 %	50-200	12/13/21	12/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2150064
Chloride	1440	20.0	1	12/13/21	12/13/21	



NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:59:02PM

T-2 (0-1') E112047-03

		E112047-03				
_		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2150036
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2150036
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2151004
Diesel Range Organics (C10-C28)	41.6	25.0	1	12/13/21	12/15/21	
Oil Range Organics (C28-C36)	79.9	50.0	1	12/13/21	12/15/21	
Surrogate: n-Nonane		108 %	50-200	12/13/21	12/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2150064
Chloride	3290	40.0	2	12/13/21	12/14/21	

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:59:02PM

T-2 (1') E112047-04

		E112047-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anaiyu	Kesun	Liillit	Dilution	Fiepaied	Anaryzed	INUICS
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2150036
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2150036
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2151004
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/21	12/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/21	12/14/21	
Surrogate: n-Nonane		111 %	50-200	12/13/21	12/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2150064
Chloride	1360	20.0	1	12/13/21	12/14/21	



NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:59:02PM

T-3 (0-1') E112047-05

		E112047-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2150036
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2150036
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2151004
Diesel Range Organics (C10-C28)	92.0	25.0	1	12/13/21	12/14/21	
Oil Range Organics (C28-C36)	130	50.0	1	12/13/21	12/14/21	
Surrogate: n-Nonane		112 %	50-200	12/13/21	12/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2150064
Chloride	470	20.0	1	12/13/21	12/14/21	



NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:59:02PM

T-3 (1') E112047-06

		E112047-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
,				•	,	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150036
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150036
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2151004
Diesel Range Organics (C10-C28)	122	25.0	1	12/13/21	12/14/21	
Oil Range Organics (C28-C36)	146	50.0	1	12/13/21	12/14/21	
Surrogate: n-Nonane		109 %	50-200	12/13/21	12/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2150064
Chloride	210	20.0	1	12/13/21	12/14/21	



NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:59:02PM

T-4 (0-1') E112047-07

		E112047-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg Analyst: RKS			Batch: 2150036	
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: RKS			Batch: 2150036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.5 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg Analyst: JL			Batch: 2151004	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/21	12/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/21	12/14/21	
Surrogate: n-Nonane		116 %	50-200	12/13/21	12/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2150064
Chloride	602	40.0	2	12/13/21	12/14/21	



NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:59:02PM

T-4 (1') E112047-08

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	g Analyst: RKS			Batch: 2150036
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150036
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2151004
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/21	12/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/21	12/14/21	
Surrogate: n-Nonane		109 %	50-200	12/13/21	12/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2150064
Chloride	426	20.0	1	12/13/21	12/14/21	



Toluene

o-Xylene p,m-Xylene

QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060		Project Name: Project Number: Project Manager:	21	outh Vacuum U 106-0001 ike Carmona	Jnit 354				Reported: 12/15/2021 3:59:02PM
		Volatile O	rganics l	y EPA 802	1B				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 (2150036-BLK1)							Prepared: 12	2/10/21 A	nalyzed: 12/10/21
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	7.64		8.00		95.5	70-130			
L CC (215002 / DC1)							Prepared: 12	2/10/21 A	nalyzed: 12/10/21
LCS (2150036-BS1)									nary 20a. 12/10/21
ECS (2150030-BS1) Benzene	4.92	0.0250	5.00		98.3	70-130			naryzea. 12/10/21

Total Xylenes	14.9	0.0250	15.0	99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00	100	70-130			
LCS Dup (2150036-BSD1)					F	Prepared: 12	2/10/21 Analy	zed: 12/10/21
Benzene	4.82	0.0250	5.00	96.5	70-130	1.93	20	
Ethylbenzene	4.79	0.0250	5.00	95.9	70-130	1.51	20	
Toluene	4.93	0.0250	5.00	98.6	70-130	1.59	20	
o-Xylene	4.90	0.0250	5.00	98.0	70-130	1.35	20	
p,m-Xylene	9.75	0.0500	10.0	97.5	70-130	1.41	20	
Total Xylenes	14.7	0.0250	15.0	97.7	70-130	1.39	20	
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00	104	70-130			

5.00

5.00

10.0

15.0

100

99.3

98.9

99.1

70-130

70-130

70-130

5.01

4.97

9.89

14.9

0.0250

0.0250

0.0500

NTG-New Tech Global Environmental 911 Regional Park Dr.	Project Name: Project Number:	South Vacuum Unit 354 21106-0001	Reported:
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:59:02PM

Houston TX, 77060		Project Number: Project Manager:		ike Carmona				12	/15/2021 3:59:02PM
	Non	halogenated C	Organics l	by EPA 801	5D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2150036-BLK1)							Prepared: 1	2/10/21 Ana	ılyzed: 12/10/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			
LCS (2150036-BS2)							Prepared: 1	2/10/21 Ana	llyzed: 12/10/21
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.3	70-130			
LCS Dup (2150036-BSD2)							Prepared: 1	2/10/21 Ana	lyzed: 12/10/21
Gasoline Range Organics (C6-C10)	56.8	20.0	50.0		114	70-130	4.00	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.8	70-130			



NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	Reported:
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:59:02PM

Houston TX, 77060		Project Manage	r: M	ike Carmona					12/15/2021 3:59:02PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2151004-BLK1)							Prepared:	12/13/21	Analyzed: 12/13/21
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.7		50.0		111	50-200			
LCS (2151004-BS1)							Prepared:	12/13/21	Analyzed: 12/13/21
Diesel Range Organics (C10-C28)	525	25.0	500		105	38-132			
Surrogate: n-Nonane	54.2		50.0		108	50-200			
Matrix Spike (2151004-MS1)				Source:	E112060-	02	Prepared:	12/13/21	Analyzed: 12/13/21
Diesel Range Organics (C10-C28)	543	25.0	500	ND	109	38-132			
Surrogate: n-Nonane	54.5		50.0		109	50-200			
Matrix Spike Dup (2151004-MSD1)				Source:	E112060-0	02	Prepared:	12/13/21	Analyzed: 12/13/21
Diesel Range Organics (C10-C28)	558	25.0	500	ND	112	38-132	2.70	20	
Surrogate: n-Nonane	53.6		50.0		107	50-200			



NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060		Project Name: Project Number: Project Manager:	2	South Vacuum U 21106-0001 Mike Carmona	Unit 354					eported: 21 3:59:02PM
		Anions	by EPA	300.0/9056	\				Analy	yst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPE Limi %	it	Notes
Blank (2150064-BLK1)							Prepared	12/13/21	Analyzed:	12/13/21
Chloride	ND	20.0								
LCS (2150064-BS1)							Prepared:	12/13/21	Analyzed:	12/13/21
Chloride	251	20.0	250		101	90-110				
Matrix Spike (2150064-MS1)				Source:	E112047-0)1	Prepared:	12/13/21	Analyzed:	12/13/21
Chloride	1460	100	250	1320	59.4	80-120				M5
Matrix Spike Dup (2150064-MSD1)				Source:	E112047-0)1	Prepared:	12/13/21	Analyzed:	12/13/21
Chloride	1420	100	250	1320	42.8	80-120	2.88	20		M5

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

	NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	
l	911 Regional Park Dr.	Project Number:	21106-0001	Reported:
l	Houston TX, 77060	Project Manager:	Mike Carmona	12/15/21 15:59

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The

accociated 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

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

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



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EN EN	VIRON	MENTA	L														0b #	2	11	: E112047 04-000	of
ject Manager:	Mike Ca	rmona				Bill to: (if	different)										Wo	rk Ord	er C	Comments	<u> </u>
	NTG En	vironme	ental			Company	Mark and a							Pr	ogram	UST/P					uperfund
ress:	701 Trac	dewinds	BLVD			Address:								-	200	roject:		7			
	Midland,	TX 79	706			City, Stat	te ZIP:							Re	porting	:Level II	Leve	el III 🔲	Þsт	/UST TRRP	Level IV
one:	432-813	-0263			Email:	mcarmo	na@ntg	lobal.cor	n					De	eliverab	les: ED	D 🗆	AE	DaP	T Other:	
ject Name:	S	outh Va	acuum Unit 3	554	Turr	Around						ANAI	LYSIS F	EQUE	ST					Preservative (Codes
ject Number:			214802		✓ Routine	Rush		Pres. Code													Water: H ₂ C
oject Location		Le	a Co, NM		Due Date:	Stan	ndard														OH: Me
mpler's Name:			NH		TAT starts the					MRO)								- 4		HCL: HC HN	IO ₃ : HN
#.					lab, if rece	ived by 4:3	0pm	SIS		+										H ₂ S0 ₄ : H ₂ Na0	OH: Na
MPLE RECEI	PT	Tem	p Blank:	Yes No	Wet Ice:	Yes	No	Parameters	118	PRG	0.00			- 1						H₃PO₄: HP	
ceived Intact:		Yes		Thermom				ara	BTEX 8021B	9	ide 3							19	0 1	NaHSO ₄ : NABIS	
oler Custody Seal		Yes		Correction					BTE	8015M (GRO + DRO	Chloride 300.0									Na ₂ S ₂ O ₃ : NaSO ₃	
mple Custody Sea tal Containers:	IS:	Yes	No N/A		ure Reading: Temperature:			4		1210										Zn Acetate+NaOH: Z NaOH+Ascorbic Acid	
Sample Iden	tification		Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPH										Sample Comr	
T-1 (0	-1')		12/8/2021	-	Х	-	G	12	Х	Х	Х										
T-1 (1')		12/8/2021	-	Х	1 4	G	12	Х	Х	Х										
T-2 (0	-1')		12/8/2021	-	Х		G	12	Х	Х	Х										
T-2 (1')		12/8/2021	-	Х		G	12	X	Х	X										
T-3 (0			12/8/2021		Х	-	G	12	X	Х	Х										
T-3 (1')		12/8/2021		Х	-	G	12	X	X	Х										
T-4 (0			12/8/2021	-	Х	-	G	*2	Х	Х	Х										
T-4 (1')		12/8/2021	-	Х	•	G	12	X	Х	Х										
								121	121					_		-		_			

Relinquished by: (Signature) Relinquished by: (Signature) Received by: (Signature) Received by: (Signature) Date/Time Date/Time 12.8.21/1:3 Nice Has

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Printed: 12/11/2021 3:31:26PM

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.

	no response concerning these items (items 2 incurs of the	10 4400 01 11115 11011		bumpies will be une	any near and reques		
Client:	NTG-New Tech Global Environmental	Date Received:	12/09/21	12:05		Work Order ID:	E112047
Phone:	(432) 685-3898	Date Logged In:	12/09/21	12:47		Logged In By:	Jessica Liesse
Email:	mcarmona@ntglobal.com	Due Date:	12/15/21	17:00 (4 day TAT)			
	Custody (COC)		•••				
	he sample ID match the COC?	ah sha COC	Yes				
	he number of samples per sampling site location mate	en the COC	No				
	amples dropped off by client or carrier?	. 1 1 0	Yes	Carrier: <u>F</u>	<u>FedEx</u>		
	e COC complete, i.e., signatures, dates/times, reques	ted 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 disucssio	•	Yes			<u>Comment</u>	s/Resolution
Sample 7	<u> [urn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (<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				
	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	No				
		temperature: 4 t	<u>~</u>				
_	Container		NT-				
	queous VOC samples present? OC samples collected in VOA Vials?		No NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
			NA				
	a trip blank (TB) included for VOC analyses?						
	on-VOC samples collected in the correct containers? appropriate volume/weight or number of sample contain		Yes Yes				
		ers conecteur	108				
Field Lal	net be	rmation:					
	ample ID?	imation.	Yes				
	Date/Time Collected?		Yes				
C	follectors name?		No				
Sample I	Preservation_						
21. Does	the COC or field labels indicate the samples were pro-	eserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subconti	act Laboratory						
	amples required to get sent to a subcontract laborator	v?	No				
	a subcontract laboratory specified by the client and if	•	NA	Subcontract Lab	o: n/a		
Client I	<u>nstruction</u>						
							()

Date

Report to:
Mike Carmona



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

NTG-New Tech Global Environmental

Project Name: South Vacuum Unit 354

Work Order: E112048

Job Number: 21106-0001

Received: 12/9/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/14/21

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. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/14/21

Mike Carmona 911 Regional Park Dr. Houston, TX 77060

Project Name: South Vacuum Unit 354

Workorder: E112048

Date Received: 12/9/2021 12:05:00PM

Mike Carmona,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2021 12:05:00PM, under the Project Name: South Vacuum Unit 354.

The analytical test results summarized in this report with the Project Name: South Vacuum Unit 354 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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Office: 505-421-LABS(5227)

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West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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H-2 (0-0.5')	6
H-3 (0-0.5')	7
H-4 (0-0.5')	8
QC Summary Data	9
QC - Volatile Organics by EPA 8021B	9
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Sample Summary

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	Donoutoda
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Mike Carmona	12/14/21 13:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
H-1 (0-0.5')	E112048-01A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
	E112048-01B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
H-2 (0-0.5')	E112048-02A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
	E112048-02B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
H-3 (0-0.5')	E112048-03A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
	E112048-03B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
H-4 (0-0.5')	E112048-04A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
	E112048-04B	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.



NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Mike Carmona	12/14/2021 1:03:05PM

H-1 (0-0.5') E112048-01

		E112048-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2150060
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	12/10/21	12/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2150060
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.2 %	70-130	12/10/21	12/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2150052
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane		109 %	50-200	12/10/21	12/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2150062
Chloride	483	20.0	1	12/13/21	12/13/21	



NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Mike Carmona	12/14/2021 1:03:05PM

H-2 (0-0.5')

		E112048-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2150060
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	12/10/21	12/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2150060
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	12/10/21	12/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2150052
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane		111 %	50-200	12/10/21	12/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2150062
Chloride	460	20.0	1	12/13/21	12/13/21	



NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Mike Carmona	12/14/2021 1:03:05PM

H-3 (0-0.5')

		E112048-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2150060
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	12/10/21	12/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2150060
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.0 %	70-130	12/10/21	12/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2150052
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/10/21	
Surrogate: n-Nonane		82.1 %	50-200	12/10/21	12/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2150062
Chloride	ND	20.0	1	12/13/21	12/13/21	



NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Mike Carmona	12/14/2021 1:03:05PM

H-4 (0-0.5')

		E112048-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2150060
Benzene	ND	0.0250	1	12/10/21	12/11/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/11/21	
Toluene	ND	0.0250	1	12/10/21	12/11/21	
o-Xylene	ND	0.0250	1	12/10/21	12/11/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/11/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/11/21	
Surrogate: 4-Bromochlorobenzene-PID		95.3 %	70-130	12/10/21	12/11/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2150060
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/11/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.2 %	70-130	12/10/21	12/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2150052
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/21	12/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/11/21	
Surrogate: n-Nonane		109 %	50-200	12/10/21	12/11/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2150062
Chloride	74.5	20.0	1	12/13/21	12/13/21	



		<u> </u>	A 1 1 1 1 1 1 1 6	iry Data	·				
NTG-New Tech Global Environmental 911 Regional Park Dr.		Project Name: Project Number:	2	outh Vacuum U	nit 354				Reported:
Houston TX, 77060		Project Manager:	N.	like Carmona					12/14/2021 1:03:05PM
		Volatile O	rganics l	by EPA 802	1B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2150060-BLK1)							Prepared: 1	2/10/21	Analyzed: 12/11/21
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	7.40		8.00		92.6	70-130			
LCS (2150060-BS1)							Prepared: 1	2/10/21	Analyzed: 12/11/21
Benzene	4.67	0.0250	5.00		93.4	70-130			
Ethylbenzene	4.56	0.0250	5.00		91.2	70-130			
Toluene	4.74	0.0250	5.00		94.8	70-130			
p-Xylene	4.66	0.0250	5.00		93.2	70-130			
o,m-Xylene	9.25	0.0500	10.0		92.5	70-130			
Total Xylenes	13.9	0.0250	15.0		92.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.2	70-130			
Matrix Spike (2150060-MS1)				Source: 1	E 112058- 0)6	Prepared: 1	2/10/21	Analyzed: 12/11/21
Benzene	4.72	0.0250	5.00	ND	94.3	54-133			
Ethylbenzene	4.69	0.0250	5.00	ND	93.8	61-133			
Toluene	4.84	0.0250	5.00	ND	96.8	61-130			
-Xylene	4.77	0.0250	5.00	ND	95.5	63-131			
o,m-Xylene	9.53	0.0500	10.0	ND	95.3	63-131			
Total Xylenes	14.3	0.0250	15.0	ND	95.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			
Matrix Spike Dup (2150060-MSD1)				Source: 1	E 112058- 0)6	Prepared: 1	2/10/21	Analyzed: 12/11/21
Benzene	4.58	0.0250	5.00	ND	91.5	54-133	2.99	20	
Ethylbenzene	4.54	0.0250	5.00	ND	90.8	61-133	3.15	20	
Toluene	4.68	0.0250	5.00	ND	93.6	61-130	3.33	20	
p-Xylene	4.65	0.0250	5.00	ND	92.9	63-131	2.73	20	
p,m-Xylene	9.24	0.0500	10.0	ND	92.4	63-131	3.08	20	
Total Xylenes	13.9	0.0250	15.0	ND	92.6	63-131	2.96	20	



70-130

Surrogate: 4-Bromochlorobenzene-PID

NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	Reported:
911 Regional Park Dr.	Project Number:	21106-0001	•
Houston TX, 77060	Project Manager:	Mike Carmona	12/14/2021 1:03:05PM

Houston TX, 77060		Project Manage	r: Mi	ke Carmona				1	2/14/2021 1:03:05PM		
	Nonhalogenated Organics by EPA 8015D - GRO								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 (2150060-BLK1)							Prepared: 12	2/10/21 An	nalyzed: 12/11/21		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		8.00		98.1	70-130					
LCS (2150060-BS2)							Prepared: 12	2/10/21 An	nalyzed: 12/11/21		
Gasoline Range Organics (C6-C10)	53.4	20.0	50.0		107	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		8.00		100	70-130					
Matrix Spike (2150060-MS2)				Source:	E112058-0	06	Prepared: 12	2/10/21 An	nalyzed: 12/11/21		
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.08		8.00		101	70-130					
Matrix Spike Dup (2150060-MSD2)				Source:	E112058-0	06	Prepared: 12	2/10/21 An	alyzed: 12/11/21		
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130	0.869	20			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.4	70-130					



NTG-New Tech Global Environmental 911 Regional Park Dr.	Project Name: Project Number:	South Vacuum Unit 354 21106-0001	Reported:
Houston TX, 77060	Project Nanager:	Mike Carmona	12/14/2021 1:03:05PM

Houston TX, 77060		Project Manage	r: M	ike Carmona					12/14/2021 1:03:05PM
	Nonhal	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2150052-BLK1)							Prepared:	12/10/21	Analyzed: 12/10/21
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.3		50.0		117	50-200			
LCS (2150052-BS1)							Prepared:	12/10/21	Analyzed: 12/10/21
Diesel Range Organics (C10-C28)	557	25.0	500		111	38-132			
Surrogate: n-Nonane	53.4		50.0		107	50-200			
Matrix Spike (2150052-MS1)				Source:	E112056-0)5	Prepared:	12/10/21	Analyzed: 12/10/21
Diesel Range Organics (C10-C28)	643	25.0	500	59.1	117	38-132			
Surrogate: n-Nonane	55.8		50.0		112	50-200			
Matrix Spike Dup (2150052-MSD1)				Source:	E112056-0)5	Prepared:	12/10/21	Analyzed: 12/10/21
Diesel Range Organics (C10-C28)	66.5	25.0	500	59.1	1.47	38-132	163	20	M2
Surrogate: n-Nonane	55.5		50.0		111	50-200			



Chloride

M5

QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr.		Project Name: Project Number:		outh Vacuum U 1106-0001	Unit 354				Reported:
Houston TX, 77060		Project Manager		Aike Carmona					12/14/2021 1:03:05PM
		Anions	by EPA	300.0/9056	A				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 (2150062-BLK1)							Prepared: 1	2/13/21 Aı	nalyzed: 12/13/21
Chloride	ND	20.0							
LCS (2150062-BS1)							Prepared: 1	2/13/21 Aı	nalyzed: 12/13/21
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2150062-MS1)				Source:	E112043-0	01	Prepared: 1	2/13/21 Aı	nalyzed: 12/13/21
Chloride	62900	2000	250	41100	NR	80-120			M5
Matrix Spike Dup (2150062-MSD1)				Source:	E112043-0	01	Prepared: 1	2/13/21 Aı	nalyzed: 12/13/21

250

2000

41100

NR

80-120

16.5

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	NTG-New Tech Global Environmental	Project Name:	South Vacuum Unit 354	
١	911 Regional Park Dr.	Project Number:	21106-0001	Reported:
١	Houston TX, 77060	Project Manager:	Mike Carmona	12/14/21 13:03

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The

accociated 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

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

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



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Work Ord	er No:	=1	12048
J10#	2111	06	-0001

																				Page of
Project Manager:	Mike Carm	nona			Bill to: (if	different)											٧	Vork O	rder (Comments
Company Name:	NTG Envir	ronmental			Company	Name:								F	rogran	n: UST	PST [PRP [Brow	nfields RRC uperfund
Address:	701 Trade	winds BLVD			Address:									State of Project:						
City, State ZIP:	Midland, TX 79706			City, Stat	e ZIP:								F	Reportin	g:Leve	I II 🗌 Le	evel III	₽sī	T/UST TRRP Level IV	
Phone:	432-813-0	263		Email:	mcarmo	na@ntg	tglobal.com Deliverables: EDD]	ADaP	T Other:						
Project Name:	Sou	uth Vacuum Unit 3	54	Turn	Turn Around							ANAI	YSIS F	REQU	QUEST Preservative Codes					
Project Number:		214802		✓ Routine			Pres. Code													None: NO DI Water: H ₂ C
Project Location		Lea Co, NM		Due Date:	Standard day received by the															Cool: Cool MeOH: Me
ampler's Name:		NH					TAT starts the day received by the lab, if received by 4:30pm		yo .		+ MRO)									
SAMPLE RECEI	IPT	Temp Blank:	Yes No	Wet Ice:	Yes	No	eter	Parameters 3TEX 8021B		300.0										H ₃ PO ₄ : HP
Received Intact:		Yes No	Thermom	eter ID:			ıram			le 30									НОГР	NaHSO ₄ : NABIS
Cooler Custody Sea	als:	Yes No N/A	Correction	Factor:	1		<u>a</u>	TEX	(GRO	Chloride								1	오	Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Sea	als:	Yes No N/A		ure Reading:				В	15M	5								1. 1		Zn Acetate+NaOH: Zn
otal Containers:			Corrected	Temperature:					H 801											NaOH+Ascorbic Acid: SAPC
Sample Idea	ntification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		ТРН											Sample Comments
H-1 (0-	-0.5')	12/8/2021	11.97	Х	54	G	12	Х	Х	Х										H-1(0-6")
H-2 (0-	-0.5')	12/8/2021	43	Х	-	G	12	Х	Х	Х										H-3(0-6")
H-3 (0-	-0.5')	12/8/2021	-	Х	1	G	*2	Х	Х	X										H-17 0-6")
H-4 (0-)-0.5')	12/8/2021	•	Х	- 9 -	G	X2	Х	Х	Х										H-34(0-6")
							121912							-		+				C. M
																				10
								-				+		+		+				
									_	_	_	_	_	_	_					

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Nyer Har	V W	12.3-21/1:31	2 / 20 /		
3	Cartles Of Musting	17/9/21 12:05	4 07)		
5		1011101	6		
					Revised Date 05012020 Rev. 2020 1

of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

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Printed: 12/11/2021 3:11:32PM

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:	NTG-New Tech Global Environmental	Date Received:	12/09/21	12:05	Work Orde	r ID:	E112048
Phone:	(432) 685-3898	Date Logged In:	12/09/21	12:56	Logged In	Ву:	Jessica Liesse
Email:	mcarmona@ntglobal.com	Due Date:	12/15/21	17:00 (4 day TAT)			
1. Does t	Custody (COC) the sample ID match the COC? the number of samples per sampling site location mate	ch the COC	No Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: F	<u>edEx</u>		
4. Was th	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
 Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion. 			Yes	r	<u>Cor</u>	nmen	nts/Resolution
	Turn Around Time (TAT) a COC indicate standard TAT, or Expedited TAT?		Yes		Physical sample ID	doe	es not match COC.
Sample (<u>Cooler</u>				Noted on COC		
	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				
	te 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 C				
	<u>Container</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 La	<u>bel</u>						
	field sample labels filled out with the minimum info ample ID?	ormation:	Yes				
	ate/Time Collected?		Yes	L			
_	follectors name?		No				
	Preservation	10	2.7				
	the COC or field labels indicate the samples were pr	reserved?	No				
	ample(s) correctly preserved? filteration required and/or requested for dissolved m	antala?	NA				
	1	ictais?	No				
	ase Sample Matrix	0					
	the sample have more than one phase, i.e., multipha		No				
27. If yes	, does the COC specify which phase(s) is to be analy	/zed?	NA				
	act Laboratory	_	_				
	amples required to get sent to a subcontract laborato a subcontract laboratory specified by the client and if	-	No NA	Subcontract Lab	: n/a		
Client I	<u>nstruction</u>						
C:~	cure of client authorizing changes to the COC or sample dis-	nosition			Date		– 🧀 envirotech Inc

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



Environment Testing America

ANALYTICAL REPORT

Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-11144-1

Laboratory Sample Delivery Group: Lea Co, NM Client Project/Site: South Vaccum Unit 354

For:

NT Global 701 Tradewinds Blvd Midland, Texas 79706

Attn: Gordon Banks

KRAMER

Authorized for release by: 2/16/2022 3:52:54 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

....LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env Released to Imaging: 7/5/2022 12:59:53 PM

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

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

Client: NT Global Laboratory Job ID: 880-11144-1
Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

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Definitions/Glossary

Client: NT Global Job ID: 880-11144-1 Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Qualifiers

~	_		_	•
G	U	v	u	А

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

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

DL, RA, RE, IN

DLC

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)

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

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE) MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry) MDC MDL Method Detection Limit Minimum Level (Dioxin)

MPN Most Probable Number MQL Method Quantitation Limit NC Not Calculated

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

Decision Level Concentration (Radiochemistry)

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit Presumptive **PRES**

QC **Quality Control RER** Relative Error Ratio (Radiochemistry) RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: NT Global

Project/Site: South Vaccum Unit 354

Job ID: 880-11144-1 SDG: Lea Co, NM

Job ID: 880-11144-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-11144-1

Receipt

The samples were received on 2/9/2022 4:23 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.3°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with preparation batch 880-19118 and analytical batch 880-19027 were outside control limits: (880-11166-A-1-B MS) and (880-11166-A-1-C MSD). The associated laboratory control sample (LCS) recovery met acceptance criteria.

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

GC Semi VOA

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

HPLC/IC

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

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Job ID: 880-11144-1

Client: NT Global Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Client Sample ID: BH-1 (0-1') Lab Sample ID: 880-11144-1

Date Collected: 02/08/22 00:00 Matrix: Solid Date Received: 02/09/22 16:23

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/12/22 01:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/12/22 01:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/12/22 01:44	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/11/22 08:30	02/12/22 01:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/12/22 01:44	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/11/22 08:30	02/12/22 01:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				02/11/22 08:30	02/12/22 01:44	1
1,4-Difluorobenzene (Surr)	103		70 - 130				02/11/22 08:30	02/12/22 01:44	1
- Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/14/22 09:32	1
Analyte Total TPH		Qualifier U		MDL		<u>D</u>	Prepared	Analyzed 02/15/22 20:20	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/15/22 20:20	1
Mathada 0045D NM - Disaal Daw		DO) (OO)							
Method: 8015B NM - Diesel Rang			DI.	MDI	1114	_	Danasas	A a la a d	D!! F
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/11/22 21:52	1
					m = /// =		02/10/22 11:25	02/11/22 21:52	
Diesel Range Organics (Over	<50.0		50.0		IIIu/nu				1
Diesel Range Organics (Over C10-C28)	<50.0	O	50.0		mg/Kg		02/10/22 11.20	02/11/22 21:02	1
	<50.0 <50.0		50.0 50.0		mg/Kg		02/10/22 11:25	02/11/22 21:52	1
C10-C28)		U							·
C10-C28) OII Range Organics (Over C28-C36) Surrogate	<50.0	U	50.0				02/10/22 11:25	02/11/22 21:52	1
C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0 <i>Limits</i>				02/10/22 11:25 Prepared	02/11/22 21:52 Analyzed	1 Dil Fac
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0 **Recovery 83 83	U Qualifier	50.0 Limits 70 - 130				02/10/22 11:25 Prepared 02/10/22 11:25	02/11/22 21:52 Analyzed 02/11/22 21:52	1 Dil Fac
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<pre><50.0 %Recovery 83 83 pmatography -</pre>	U Qualifier	50.0 Limits 70 - 130	MDL	mg/Kg	D	02/10/22 11:25 Prepared 02/10/22 11:25	02/11/22 21:52 Analyzed 02/11/22 21:52	1 Dil Fac

Client Sample ID: BH-1 (1'-2') Lab Sample ID: 880-11144-2 **Matrix: Solid**

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/12/22 02:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/12/22 02:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/12/22 02:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/22 08:30	02/12/22 02:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/12/22 02:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/22 08:30	02/12/22 02:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				02/11/22 08:30	02/12/22 02:05	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/11/22 08:30	02/12/22 02:05	1

Client: NT Global

Project/Site: South Vaccum Unit 354

Job ID: 880-11144-1 SDG: Lea Co, NM

Client Sample ID: BH-1 (1'-2')

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23 Lab Sample ID: 880-11144-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/22 09:32	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/15/22 20:20	1
Method: 8015B NM - Diesel Rang	e Organics (DI	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		02/10/22 11:25	02/11/22 22:55	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		02/10/22 11:25	02/11/22 22:55	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 11:25	02/11/22 22:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				02/10/22 11:25	02/11/22 22:55	1
o-Terphenyl	102		70 - 130				02/10/22 11:25	02/11/22 22:55	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	993		4.98		mg/Kg		-	02/16/22 06:15	

Client Sample ID: BH-1 (2'-3') Lab Sample ID: 880-11144-3 **Matrix: Solid**

Date Collected: 02/08/22 00:00

Date Received: 02/09/22 16:23

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 02:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 02:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 02:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/12/22 02:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 02:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/12/22 02:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				02/11/22 08:30	02/12/22 02:25	1
4.4.000	95		70 - 130				02/11/22 08:30	02/12/22 02:25	1
1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTI Analyte	EX Calculation Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Method: Total BTEX - Total BT Analyte Total BTEX	EX Calculation Result <0.00400	U	RL 0.00400	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 02/14/22 09:32	Dil Fac
Method: Total BTEX - Total BT Analyte	EX Calculation Result <0.00400 ge Organics (DR	U				D	Prepared Prepared		1
Method: Total BTEX - Total BTI Analyte Total BTEX Method: 8015 NM - Diesel Rang	EX Calculation Result <0.00400 ge Organics (DR	U O) (GC) Qualifier	0.00400		mg/Kg			02/14/22 09:32	Dil Fac Dil Fac 1
Method: Total BTEX - Total BTI Analyte Total BTEX Method: 8015 NM - Diesel Rang Analyte	EX Calculation Result <0.00400 ge Organics (DR) Result <50.0	O) (GC) Qualifier	0.00400		mg/Kg			02/14/22 09:32 Analyzed	1 Dil Fac
Method: Total BTEX - Total BTI Analyte Total BTEX Method: 8015 NM - Diesel Rang Analyte Total TPH	EX Calculation Result <0.00400 ge Organics (DR) Result <50.0 nge Organics (D	O) (GC) Qualifier	0.00400	MDL	mg/Kg			02/14/22 09:32 Analyzed	1 Dil Fac
Method: Total BTEX - Total BTI Analyte Total BTEX Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Ra	EX Calculation Result <0.00400 ge Organics (DR) Result <50.0 nge Organics (D	O) (GC) Qualifier U RO) (GC) Qualifier	0.00400 RL 50.0	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	02/14/22 09:32 Analyzed 02/15/22 20:20	Dil Fac

Client: NT Global

Project/Site: South Vaccum Unit 354

Job ID: 880-11144-1 SDG: Lea Co, NM

Client Sample ID: BH-1 (2'-3')

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23

Lab Sample ID: 880-11144-3

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/11/22 23:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				02/10/22 11:25	02/11/22 23:17	1
o-Terphenyl	93		70 - 130				02/10/22 11:25	02/11/22 23:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL MDL Dil Fac Analyte Unit D Prepared Analyzed 4.95 02/16/22 06:51 313 Chloride mg/Kg

Client Sample ID: BH-1 (3'-4')

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23

Lab Sample ID: 880-11144-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 02/11/22 08:30 02/12/22 02:45 mg/Kg Toluene <0.00200 U 0.00200 02/11/22 08:30 02/12/22 02:45 mg/Kg Ethylbenzene <0.00200 U 0.00200 02/11/22 08:30 02/12/22 02:45 mg/Kg 02/11/22 08:30 02/12/22 02:45 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 02/11/22 08:30 02/12/22 02:45 Xylenes, Total <0.00400 U 0.00400 mg/Kg 02/11/22 08:30 02/12/22 02:45

%Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 02/11/22 08:30 02/12/22 02:45 4-Bromofluorobenzene (Surr) 136 S1+ 1,4-Difluorobenzene (Surr) 102 70 - 130 02/12/22 02:45 02/11/22 08:30

Method: Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Total BTEX <0.00400 U 0.00400 mg/Kg 02/14/22 09:32

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

Analyte Result Qualifier MDL Dil Fac RL Unit D Prepared Analyzed Total TPH <49.9 Ū 49.9 02/15/22 20:20 mg/Kg

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

Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac <49.9 U Gasoline Range Organics 49.9 02/10/22 11:25 02/11/22 23:38 mg/Kg (GRO)-C6-C10 <49.9 U 49.9 02/10/22 11:25 02/11/22 23:38 Diesel Range Organics (Over mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 02/10/22 11:25 02/11/22 23:38

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	02/10/22 11:25	02/11/22 23:38	1
o-Terphenyl	85		70 - 130	02/10/22 11:25	02/11/22 23:38	1

Method: 300.0 - Anions, Ion Chromatography	- 8	Solu	able
		_	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	232		5.05		mg/Kg			02/16/22 07:02	1

Eurofins Midland

2/16/2022

Client: NT Global Job ID: 880-11144-1 Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Client Sample ID: BH-1 (4'-5')

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23

Lab Sample ID: 880-11144-5

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/12/22 03:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/12/22 03:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/12/22 03:06	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/11/22 08:30	02/12/22 03:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/12/22 03:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/11/22 08:30	02/12/22 03:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				02/11/22 08:30	02/12/22 03:06	1
1,4-Difluorobenzene (Surr)	102		70 - 130				02/11/22 08:30	02/12/22 03:06	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/14/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/15/22 20:20	1

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

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		02/10/22 11:25	02/11/22 23:59	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		02/10/22 11:25	02/11/22 23:59	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/10/22 11:25	02/11/22 23:59	1
Surrogate	%Recovery	Qualifier	l imits			Prenared	Analyzed	Dil Fac

- · · · • • · · · · · · · · · · · · · ·					
1-Chlorooctane	95	70 - 130	02/10/22 11:25	02/11/22 23:59	1
o-Terphenyl	95	70 - 130	02/10/22 11:25	02/11/22 23:59	1
Г					

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.7		4.96		mg/Kg			02/16/22 07:14	1

Client Sample ID: BH-1 (5'-6')

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23

Lab Sample	ID:	880-1	1144-6
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02/12/22 03:26

02/11/22 08:30

Matrix: Solid

Mothod: 8021B	- Volatilo	Organic	Compounde	(CC)

Method: 8021B - Volatile Orga	inic Compounds ((GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/12/22 03:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/12/22 03:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/12/22 03:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/22 08:30	02/12/22 03:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/12/22 03:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/22 08:30	02/12/22 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130				02/11/22 08:30	02/12/22 03:26	1

Eurofins Midland

70 - 130

1,4-Difluorobenzene (Surr)

Client: NT Global

Job ID: 880-11144-1 Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Client Sample ID: BH-1 (5'-6') Lab Sample ID: 880-11144-6

Date Collected: 02/08/22 00:00 Matrix: Solid Date Received: 02/09/22 16:23

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/22 09:32	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/15/22 20:20	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 00:20	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 00:20	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				02/10/22 11:25	02/12/22 00:20	1
o-Terphenyl	78		70 - 130				02/10/22 11:25	02/12/22 00:20	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.9	-	4.97		mg/Kg			02/16/22 07:26	1

Client Sample ID: BH-2 (0-1') Lab Sample ID: 880-11144-7 Date Collected: 02/08/22 00:00 **Matrix: Solid**

Date Received: 02/09/22 16:23

Released to Imaging: 7/5/2022 12:59:53 PM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 03:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 03:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 03:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/11/22 08:30	02/12/22 03:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 03:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/11/22 08:30	02/12/22 03:47	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	128		70 - 130				02/11/22 08:30	02/12/22 03:47	
1,4-Difluorobenzene (Surr) Method: Total BTEX - Total B			70 - 130				02/11/22 08:30	02/12/22 03:47	
Method: Total BTEX - Total BT Analyte	TEX Calculation Result	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	02/11/22 08:30 Prepared	Analyzed	Dil Fac
Method: Total BTEX - Total BTAnalyte Total BTEX	Calculation Result <0.00401	U		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: Total BTEX - Total BTAnalyte Total BTEX Method: 8015 NM - Diesel Rar	Calculation Result <0.00401 nge Organics (DR	U	RL			<u>D</u>		Analyzed	Dil Fac
	Calculation Result <0.00401 nge Organics (DR	U O) (GC) Qualifier	RL		mg/Kg	<u> </u>	Prepared	Analyzed 02/14/22 09:32	Dil Fac
Method: Total BTEX - Total BTAnalyte Total BTEX Method: 8015 NM - Diesel Rar Analyte	rex Calculation Result								

Client: NT Global Job ID: 880-11144-1 Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Client Sample ID: BH-2 (0-1')

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23

Lab Sample ID: 880-11144-7

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/10/22 11:25	02/12/22 00:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			02/10/22 11:25	02/12/22 00:41	1
o-Terphenyl	86		70 ₋ 130			02/10/22 11:25	02/12/22 00:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Dil Fac D Prepared Analyzed 4.99 02/16/22 07:38 Chloride 300 mg/Kg

Client Sample ID: BH-2 (1'-2')

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23

Lab Sample ID: 880-11144-8

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac Benzene <0.00201 U 0.00201 02/11/22 08:30 02/12/22 04:07 mg/Kg Toluene <0.00201 U 0.00201 02/11/22 08:30 02/12/22 04:07 mg/Kg Ethylbenzene <0.00201 U 0.00201 02/11/22 08:30 02/12/22 04:07 mg/Kg <0.00402 U 0.00402 02/11/22 08:30 02/12/22 04:07 m-Xylene & p-Xylene mg/Kg o-Xylene <0.00201 U 0.00201 mg/Kg 02/11/22 08:30 02/12/22 04:07 Xylenes, Total <0.00402 U 0.00402 mg/Kg 02/11/22 08:30 02/12/22 04:07

	Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	137	S1+	70 - 130		02/11/22 08:30	02/12/22 04:07	1
	1,4-Difluorobenzene (Surr)	103		70 - 130	0	02/11/22 08:30	02/12/22 04:07	1
ī	_							

Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00402 U 0.00402 mg/Kg 02/14/22 09:32

Method: 8015 NW - Diesei Range C	rganics (DRI	U) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/15/22 20:20	1
Г									

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac <49.9 U Gasoline Range Organics 49.9 02/10/22 11:25 02/12/22 01:02 mg/Kg (GRO)-C6-C10 <49.9 U 49.9 02/10/22 11:25 02/12/22 01:02 Diesel Range Organics (Over mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 02/10/22 11:25 02/12/22 01:02

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	02/10/22 11:25	02/12/22 01:02	1
o-Terphenyl	105		70 - 130	02/10/22 11:25	02/12/22 01:02	1
_						

Method: 300.0 - Anions, Ion Chroma	atography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	318	4.95	mg/Kg			02/16/22 07:50	1

Client: NT Global Job ID: 880-11144-1 Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Client Sample ID: BH-2 (2'-3') Lab Sample ID: 880-11144-9

Date Collected: 02/08/22 00:00 Matrix: Solid Date Received: 02/09/22 16:23

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/11/22 08:30	02/12/22 04:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/11/22 08:30	02/12/22 04:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/11/22 08:30	02/12/22 04:27	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/11/22 08:30	02/12/22 04:27	
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/11/22 08:30	02/12/22 04:27	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/11/22 08:30	02/12/22 04:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				02/11/22 08:30	02/12/22 04:27	1
1,4-Difluorobenzene (Surr)	95		70 - 130				02/11/22 08:30	02/12/22 04:27	1
Method: Total BTEX - Total BTEX	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/14/22 09:32	1
•		o, (c c,							
		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 02/15/22 20:20	
Analyte Total TPH		Qualifier U		MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total TPH		Qualifier U		MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: 8015B NM - Diesel Rang	Result <49.9 Ge Organics (DI Result	Qualifier U RO) (GC) Qualifier				<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Result <49.9 ge Organics (Di	Qualifier U RO) (GC) Qualifier	49.9		mg/Kg		<u> </u>	02/15/22 20:20	1 Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10	ge Organics (DI Result <49.9	Qualifier U RO) (GC) Qualifier U	49.9 RL 49.9		mg/Kg Unit mg/Kg		Prepared 02/10/22 11:25	02/15/22 20:20 Analyzed 02/12/22 01:23	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 Ge Organics (DI Result	Qualifier U RO) (GC) Qualifier U	49.9		mg/Kg		Prepared	02/15/22 20:20 Analyzed	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U RO) (GC) Qualifier U	49.9 RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 11:25 02/10/22 11:25	02/15/22 20:20 Analyzed 02/12/22 01:23 02/12/22 01:23	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	ge Organics (DI Result <49.9	Qualifier U RO) (GC) Qualifier U	49.9 RL 49.9		mg/Kg Unit mg/Kg		Prepared 02/10/22 11:25	02/15/22 20:20 Analyzed 02/12/22 01:23	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9	Qualifier U RO) (GC) Qualifier U	49.9 RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 11:25 02/10/22 11:25	02/15/22 20:20 Analyzed 02/12/22 01:23 02/12/22 01:23	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U RO) (GC) Qualifier U	49.9 RL 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 11:25 02/10/22 11:25 02/10/22 11:25	02/15/22 20:20 Analyzed 02/12/22 01:23 02/12/22 01:23	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <49.9	Qualifier U RO) (GC) Qualifier U	49.9 RL 49.9 49.9 49.9 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 11:25 02/10/22 11:25 02/10/22 11:25 Prepared	02/15/22 20:20 Analyzed 02/12/22 01:23 02/12/22 01:23 02/12/22 01:23 Analyzed	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 11:25 02/10/22 11:25 02/10/22 11:25 Prepared 02/10/22 11:25	02/15/22 20:20 Analyzed 02/12/22 01:23 02/12/22 01:23 Analyzed 02/12/22 01:23	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U RO) (GC) Qualifier U U Qualifier	49.9 RL 49.9 49.9 49.9 Limits 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 11:25 02/10/22 11:25 02/10/22 11:25 Prepared 02/10/22 11:25	02/15/22 20:20 Analyzed 02/12/22 01:23 02/12/22 01:23 Analyzed 02/12/22 01:23	Dil Fac 1

Client Sample ID: BH-2 (3'-4') Lab Sample ID: 880-11144-10

Date Collected: 02/08/22 00:00 **Matrix: Solid** Date Received: 02/09/22 16:23

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/11/22 08:30	02/12/22 04:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/11/22 08:30	02/12/22 04:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/11/22 08:30	02/12/22 04:48	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/11/22 08:30	02/12/22 04:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/11/22 08:30	02/12/22 04:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/11/22 08:30	02/12/22 04:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				02/11/22 08:30	02/12/22 04:48	1
1,4-Difluorobenzene (Surr)	101		70 - 130				02/11/22 08:30	02/12/22 04:48	1

Client: NT Global

Project/Site: South Vaccum Unit 354

Job ID: 880-11144-1 SDG: Lea Co, NM

Client Sample ID: BH-2 (3'-4')

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23 Lab Sample ID: 880-11144-10

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/14/22 09:32	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/15/22 20:20	1
- Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 01:44	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 01:44	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/12/22 01:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				02/10/22 11:25	02/12/22 01:44	1
o-Terphenyl	84		70 - 130				02/10/22 11:25	02/12/22 01:44	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	376		4.98		mg/Kg			02/16/22 08:37	

Client Sample ID: BH-2 (4'-5')

Date Collected: 02/08/22 00:00

Lab Sample ID: 880-11144-11

Matrix: Solid

Date Received: 02/09/22 16:23

MB. Valatila Ormania Camanasanda (CC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 10:00	02/12/22 17:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 10:00	02/12/22 17:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 10:00	02/12/22 17:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/22 10:00	02/12/22 17:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 10:00	02/12/22 17:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/22 10:00	02/12/22 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				02/11/22 10:00	02/12/22 17:13	1
	00		70 - 130				02/11/22 10:00	02/12/22 17:13	1
1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte		Qualifier	70 - 730 RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: Total BTEX - Total BT	EX Calculation	Qualifier		MDL	Unit	<u>D</u>			Dil Fac
- ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	EX Calculation			MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran	EX Calculation Result <0.00400 ge Organics (DR0	U (GC)	RL		mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX	EX Calculation Result <0.00400 ge Organics (DR0	U	RL			D		Analyzed	1
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran	EX Calculation Result <0.00400 ge Organics (DR0	U O) (GC) Qualifier	RL		mg/Kg		Prepared	Analyzed 02/14/22 08:59	1
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte	Result	O) (GC) Qualifier	RL 0.00400		mg/Kg		Prepared	Analyzed 02/14/22 08:59 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ra	Result <0.00400 ge Organics (DRO Result <49.9 ange Organics (DI CHECK (DRO Result CHECK (DRO RESULT	O) (GC) Qualifier	RL 0.00400	MDL	mg/Kg		Prepared	Analyzed 02/14/22 08:59 Analyzed	1
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte Total TPH	Result <0.00400 ge Organics (DRO Result <49.9 ange Organics (DI CHECK (DRO Result CHECK (DRO RESULT	O) (GC) Qualifier U RO) (GC) Qualifier	RL 0.00400 RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 02/14/22 08:59 Analyzed 02/15/22 20:20	Dil Fac

Client Sample Results

Client: NT Global Job ID: 880-11144-1 Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Client Sample ID: BH-2 (4'-5')

Date Received: 02/09/22 16:23

Lab Sample ID: 880-11144-11 Date Collected: 02/08/22 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 11:25	02/12/22 02:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				02/10/22 11:25	02/12/22 02:26	1
o-Terphenyl	78		70 - 130				02/10/22 11:25	02/12/22 02:26	1

Method: 300.0 - Anions, Ion Chron	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.0		4.97		mg/Kg			02/16/22 09:13	1

Surrogate Summary

Client: NT Global Job ID: 880-11144-1
Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-11144-1	BH-1 (0-1')	129	103	
880-11144-1 MS	BH-1 (0-1')	132 S1+	101	
880-11144-1 MSD	BH-1 (0-1')	134 S1+	97	
880-11144-2	BH-1 (1'-2')	135 S1+	96	
880-11144-3	BH-1 (2'-3')	136 S1+	95	
880-11144-4	BH-1 (3'-4')	136 S1+	102	
880-11144-5	BH-1 (4'-5')	124	102	
880-11144-6	BH-1 (5'-6')	146 S1+	80	
880-11144-7	BH-2 (0-1')	128	95	
880-11144-8	BH-2 (1'-2')	137 S1+	103	
880-11144-9	BH-2 (2'-3')	125	95	
880-11144-10	BH-2 (3'-4')	132 S1+	101	
880-11144-11	BH-2 (4'-5')	132 S1+	88	
880-11166-A-1-B MS	Matrix Spike	93	94	
880-11166-A-1-C MSD	Matrix Spike Duplicate	109	98	
LCS 880-19021/1-A	Lab Control Sample	113	90	
LCS 880-19118/1-A	Lab Control Sample	101	100	
LCSD 880-19021/2-A	Lab Control Sample Dup	111	101	
LCSD 880-19118/2-A	Lab Control Sample Dup	98	104	
MB 880-19021/5-A	Method Blank	130	103	
MB 880-19022/5-A	Method Blank	120	93	
MB 880-19034/5-A	Method Blank	80	83	
MB 880-19118/5-A	Method Blank	80	83	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

			ı	Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-11144-1	BH-1 (0-1')	83	83	
880-11144-1 MS	BH-1 (0-1')	87	84	
880-11144-1 MSD	BH-1 (0-1')	78	75	
880-11144-2	BH-1 (1'-2')	108	102	
880-11144-3	BH-1 (2'-3')	96	93	
880-11144-4	BH-1 (3'-4')	85	85	
880-11144-5	BH-1 (4'-5')	95	95	
880-11144-6	BH-1 (5'-6')	81	78	
880-11144-7	BH-2 (0-1')	88	86	
880-11144-8	BH-2 (1'-2')	107	105	
880-11144-9	BH-2 (2'-3')	90	91	
880-11144-10	BH-2 (3'-4')	87	84	
880-11144-11	BH-2 (4'-5')	81	78	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Surrogate Summary

Client: NT Global Job ID: 880-11144-1
Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance L
		1CO2	OTPH2	, (, , (, , (, , , ,, , , ,
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
LCS 880-19037/2-A	Lab Control Sample	99	92	
LCSD 880-19037/3-A	Lab Control Sample Dup	90	88	
MB 880-19037/1-A	Method Blank	81	80	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

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Client: NT Global Project/Site: South Vaccum Unit 354 Job ID: 880-11144-1

SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-19021/5-A

Lab Sample ID: LCS 880-19021/1-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 19117

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19021

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 01:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 01:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 01:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/12/22 01:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/12/22 01:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/12/22 01:15	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130	70 - 130	02/11/22 08:30	02/12/22 01:15	1
1,4-Difluorobenzene (Surr)	103	70 - 130	02/11/22 08:30	02/12/22 01:15	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19021

Analysis Batch: 19117 Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.08278 mg/Kg 83 70 - 130 Toluene 0.100 0.09158 mg/Kg 92 70 - 130 0.100 0.09870 99 Ethylbenzene mg/Kg 70 - 130 m-Xylene & p-Xylene 0.200 0.1877 70 - 130 mg/Kg 0.100 0.09873 70 - 130 o-Xylene mg/Kg

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	113	70 - 130
1,4-Difluorobenzene (Surr)	90	70 - 130

Lab Sample ID: LCSD 880-19021/2-A

Matrix: Solid

Analysis Batch: 19117

Client Sample ID: Lab Control Sample D	up
----------------------------------------	----

Prep Type: Total/NA

Prep Batch: 19021

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08439		mg/Kg		84	70 - 130	2	35	
Toluene	0.100	0.08566		mg/Kg		86	70 - 130	7	35	
Ethylbenzene	0.100	0.08964		mg/Kg		90	70 - 130	10	35	
m-Xylene & p-Xylene	0.200	0.1671		mg/Kg		84	70 - 130	12	35	
o-Xylene	0.100	0.08581		mg/Kg		86	70 - 130	14	35	

LCSD LCSD

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

Lab Sample ID: 880-11144-1 MS

Matrix: Solid

Analysis Batch: 19117

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 19021

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U	0.100	0.08152		mg/Kg		81	70 - 130	
Toluene	<0.00198	U	0.100	0.08753		mg/Kg		87	70 - 130	

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Client: NT Global Project/Site: South Vaccum Unit 354 Job ID: 880-11144-1

SDG: Lea Co, NM

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

Lab Sample ID: 880-11144-1 MS **Matrix: Solid**

Lab Sample ID: 880-11144-1 MSD

Analysis Batch: 19117

Client Sample	ID:	BH-1	(0-1
_			

Prep Type: Total/NA Prep Batch: 19021

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00198	U	0.100	0.08461		mg/Kg		84	70 - 130	
m-Xylene & p-Xylene	<0.00397	U	0.201	0.1647		mg/Kg		82	70 - 130	
o-Xylene	<0.00198	U	0.100	0.07927		mg/Kg		79	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 19021 RPD

Analysis Batch: 19117 Sample Sample Spike MSD MSD %Rec. Result Qualifier Added Result Qualifier %Rec Limits RPD Limit Analyte Unit 0.0994 0.07213 Benzene <0.00198 U mg/Kg 73 70 - 130 12 35 Toluene <0.00198 U 0.0994 0.07419 75 70 - 130 mg/Kg 17 35 Ethylbenzene <0.00198 U 0.0994 0.07569 mg/Kg 76 70 - 130 11 35 m-Xylene & p-Xylene <0.00397 U 0.199 0.1491 75 70 - 130 35 mg/Kg 10 0.0994 o-Xylene <0.00198 U 0.07351 74 70 - 130 mg/Kg 8

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-19022/5-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 19117

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19022

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 13:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 13:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 13:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/11/22 13:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 13:40	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/11/22 13:40	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	,	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	02/	11/22 08:30	02/11/22 13:40	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/	11/22 08:30	02/11/22 13:40	1

Lab Sample ID: MB 880-19034/5-A

Matrix: Solid

Analysis Batch: 19027

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19034

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	m	ng/Kg		02/10/22 11:07	02/11/22 20:49	1
Toluene	<0.00200	U	0.00200	m	ng/Kg		02/10/22 11:07	02/11/22 20:49	1
Ethylbenzene	<0.00200	U	0.00200	m	ng/Kg		02/10/22 11:07	02/11/22 20:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	m	ng/Kg		02/10/22 11:07	02/11/22 20:49	1

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Client: NT Global

Project/Site: South Vaccum Unit 354

Job ID: 880-11144-1

SDG: Lea Co, NM

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

Lab Sample ID: MB 880-19034/5-A

Matrix: Solid

Analysis Batch: 19027

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19034

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/10/22 11:07	02/11/22 20:49	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/10/22 11:07	02/11/22 20:49	1

MR MR

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80	70 - 130	02/10/22 11:07	02/11/22 20:49	1
1,4-Difluorobenzene (Surr)	83	70 - 130	02/10/22 11:07	02/11/22 20:49	1

Client Sample ID: Method Blank

Lab Sample ID: MB 880-19118/5-A **Matrix: Solid**

Analysis Batch: 19027

мв мв

Prep Type: Total/NA

Prep Batch: 19118

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 10:00	02/12/22 10:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 10:00	02/12/22 10:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 10:00	02/12/22 10:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/22 10:00	02/12/22 10:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 10:00	02/12/22 10:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/22 10:00	02/12/22 10:55	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	02/11/22 10:00	02/12/22 10:55	1
1,4-Difluorobenzene (Surr)	83		70 - 130	02/11/22 10:00	02/12/22 10:55	1

Lab Sample ID: LCS 880-19118/1-A

Matrix: Solid

Analysis Batch: 19027

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19118

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09016		mg/Kg		90	70 - 130	 _
Toluene	0.100	0.08203		mg/Kg		82	70 - 130	
Ethylbenzene	0.100	0.08050		mg/Kg		81	70 - 130	
m-Xylene & p-Xylene	0.200	0.1671		mg/Kg		84	70 - 130	
o-Xylene	0.100	0.08849		mg/Kg		88	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	101	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: LCSD 880-19118/2-A

Matrix: Solid

Analysis Batch: 19027

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19118

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09011		mg/Kg		90	70 - 130	0	35
Toluene	0.100	0.08250		mg/Kg		83	70 - 130	1	35
Ethylbenzene	0.100	0.07968		mg/Kg		80	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1648		mg/Kg		82	70 - 130	1	35
o-Xylene	0.100	0.08690		mg/Kg		87	70 - 130	2	35

Client: NT Global

Project/Site: South Vaccum Unit 354

Job ID: 880-11144-1

Prep Type: Total/NA

Prep Batch: 19118

SDG: Lea Co, NM

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

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

Lab Sample ID: 880-11166-A-1-B MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 19027

•	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F2 F1	0.101	0.02091	F1	mg/Kg		21	70 - 130	
Toluene	<0.00200	U F2 F1	0.101	0.02055	F1	mg/Kg		19	70 - 130	
Ethylbenzene	<0.00200	U F2 F1	0.101	0.01902	F1	mg/Kg		19	70 - 130	
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.202	0.03680	F1	mg/Kg		18	70 - 130	
o-Xylene	<0.00200	U F2 F1	0.101	0.02055	F1	mg/Kg		20	70 - 130	

MS MS Qualifier Limits Surrogate %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 93 1,4-Difluorobenzene (Surr) 94 70 - 130

Lab Sample ID: 880-11166-A-1-C MSD

Matrix: Solid

Analysis Batch: 19027

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 19118

%Rec. Spike MSD MSD RPD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Benzene 0.101 <0.00200 U F2 F1 0.05306 F2 F1 mg/Kg 53 70 - 130 87 35 Toluene <0.00200 U F2 F1 0.101 0.04983 F2 F1 48 70 - 130 35 mg/Kg 83 Ethylbenzene <0.00200 U F2 F1 0.101 0.04762 F2 F1 47 70 - 130 86 35 mg/Kg m-Xylene & p-Xylene <0.00400 U F2 F1 0.202 0.09613 F2 F1 mg/Kg 48 70 - 130 89 35 o-Xylene <0.00200 U F2 F1 0.101 0.05012 F2 F1 mg/Kg 50 70 - 130 84 35

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

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

Lab Sample ID: MB 880-19037/1-A

Matrix: Solid

Analysis Batch: 19108

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

Prep Batch: 19037

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/11/22 20:48	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/11/22 20:48	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 11:25	02/11/22 20:48	1

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	02/10/22 11:25	02/11/22 20:48	1
o-Terphenyl	80		70 - 130	02/10/22 11:25	02/11/22 20:48	1

Project/Site: South Vaccum Unit 354

Client: NT Global

Job ID: 880-11144-1

SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-19037/2-A **Matrix: Solid**

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 19037

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1007		mg/Kg		101	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	932.9		mg/Kg		93	70 - 130	

C10-C28)

Analysis Batch: 19108

Lab Sample ID: LCSD 880-19037/3-A

LCS LCS Curromata 9/ Bassyany Ouglifian

Surroyate	Mecovery	Qualifier	Liiiii
1-Chlorooctane	99		70 - 130
o-Terphenyl	92		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19037

Analysis Batch: 19108 Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 974.0 97 3 Gasoline Range Organics mg/Kg 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 875.8 mg/Kg 88 70 - 130 6 20

C10-C28)

Matrix: Solid

LCSD LCSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 90 70 - 130 o-Terphenyl 88 70 - 130

Lab Sample ID: 880-11144-1 MS Client Sample ID: BH-1 (0-1')

Matrix: Solid

Analysis Batch: 19108

Prep Type: Total/NA Prep Batch: 19037

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1173		mg/Kg		115	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1015		mg/Kg		102	70 - 130	

MS MS Qualifier Limits Surrogate %Recovery 1-Chlorooctane 87 70 - 130 o-Terphenyl 84 70 - 130

Lab Sample ID: 880-11144-1 MSD Client Sample ID: BH-1 (0-1') **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 19108

Prep Batch: 19037 MSD MSD RPD Sample Sample Spike %Rec. Result Qualifier Limit Analyte Added Result Qualifier Limits RPD Unit %Rec Gasoline Range Organics <50.0 U 998 1109 mg/Kg 109 70 - 130 6 20 (GRO)-C6-C10 998 887.6 Diesel Range Organics (Over <50.0 U mg/Kg 89 70 - 13013 20

C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 78

Client Sample ID: BH-1 (0-1')

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19037

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: BH-2 (1'-2')

Client Sample ID: BH-2 (1'-2')

Client: NT Global

Job ID: 880-11144-1 Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

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

Lab Sample ID: 880-11144-1 MSD

Matrix: Solid

Analysis Batch: 19108

Surrogate %Recovery Qualifier Limits o-Terphenyl 75 70 - 130

MSD MSD

Method: 300.0 - Anions, Ion Chromatography

Matrix: Solid

Analysis Batch: 19436

Lab Sample ID: MB 880-19065/1-A

MB MB

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Chloride <5.00 5.00 02/16/22 04:28 U mg/Kg

Lab Sample ID: LCS 880-19065/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 19436

LCS LCS Spike %Rec. Added Result Qualifier Analyte Unit %Rec Limits Chloride 250 259.4 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-19065/3-A

Matrix: Solid

Analysis Batch: 19436

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 256.9 90 - 110 20 mg/Kg 103

Lab Sample ID: 880-11144-8 MS

Matrix: Solid

Analysis Batch: 19436

Spike MS MS %Rec. Sample Sample Analyte Qualifier Added Qualifier Unit %Rec Result Result Limits Chloride 318 248 583.6 107 90 - 110 mg/Kg

Lab Sample ID: 880-11144-8 MSD

Matrix: Solid

Analysis Batch: 19436

Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Added Qualifier Limits RPD Limit Analyte Result Unit %Rec Chloride 248 108 90 - 110 318 585.7 20 mg/Kg

Client: NT Global Job ID: 880-11144-1
Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

GC VOA

Prep Batch: 19021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-11144-1	BH-1 (0-1')	Total/NA	Solid	5035	
880-11144-2	BH-1 (1'-2')	Total/NA	Solid	5035	
880-11144-3	BH-1 (2'-3')	Total/NA	Solid	5035	
880-11144-4	BH-1 (3'-4')	Total/NA	Solid	5035	
880-11144-5	BH-1 (4'-5')	Total/NA	Solid	5035	
880-11144-6	BH-1 (5'-6')	Total/NA	Solid	5035	
880-11144-7	BH-2 (0-1')	Total/NA	Solid	5035	
880-11144-8	BH-2 (1'-2')	Total/NA	Solid	5035	
880-11144-9	BH-2 (2'-3')	Total/NA	Solid	5035	
880-11144-10	BH-2 (3'-4')	Total/NA	Solid	5035	
MB 880-19021/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-19021/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-19021/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11144-1 MS	BH-1 (0-1')	Total/NA	Solid	5035	
880-11144-1 MSD	BH-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 19022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-19022/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 19027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11144-11	BH-2 (4'-5')	Total/NA	Solid	8021B	19118
MB 880-19034/5-A	Method Blank	Total/NA	Solid	8021B	19034
MB 880-19118/5-A	Method Blank	Total/NA	Solid	8021B	19118
LCS 880-19118/1-A	Lab Control Sample	Total/NA	Solid	8021B	19118
LCSD 880-19118/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	19118
880-11166-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	19118
880-11166-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	19118

Prep Batch: 19034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-19034/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 19117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11144-1	BH-1 (0-1')	Total/NA	Solid	8021B	19021
880-11144-2	BH-1 (1'-2')	Total/NA	Solid	8021B	19021
880-11144-3	BH-1 (2'-3')	Total/NA	Solid	8021B	19021
880-11144-4	BH-1 (3'-4')	Total/NA	Solid	8021B	19021
880-11144-5	BH-1 (4'-5')	Total/NA	Solid	8021B	19021
880-11144-6	BH-1 (5'-6')	Total/NA	Solid	8021B	19021
880-11144-7	BH-2 (0-1')	Total/NA	Solid	8021B	19021
880-11144-8	BH-2 (1'-2')	Total/NA	Solid	8021B	1902 ⁻
880-11144-9	BH-2 (2'-3')	Total/NA	Solid	8021B	1902
880-11144-10	BH-2 (3'-4')	Total/NA	Solid	8021B	19021
MB 880-19021/5-A	Method Blank	Total/NA	Solid	8021B	1902
MB 880-19022/5-A	Method Blank	Total/NA	Solid	8021B	19022
LCS 880-19021/1-A	Lab Control Sample	Total/NA	Solid	8021B	1902
LCSD 880-19021/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	19021
880-11144-1 MS	BH-1 (0-1')	Total/NA	Solid	8021B	1902 ⁻

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Client: NT Global

Project/Site: South Vaccum Unit 354

Job ID: 880-11144-1 SDG: Lea Co, NM

Co, NM

GC VOA (Continued)

Analysis Batch: 19117 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11144-1 MSD	BH-1 (0-1')	Total/NA	Solid	8021B	19021

Prep Batch: 19118

Lab Sample ID 880-11144-11	Client Sample ID BH-2 (4'-5')	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
MB 880-19118/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-19118/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-19118/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11166-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-11166-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 19290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11144-11	BH-2 (4'-5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 19331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11144-1	BH-1 (0-1')	Total/NA	Solid	Total BTEX	
880-11144-2	BH-1 (1'-2')	Total/NA	Solid	Total BTEX	
880-11144-3	BH-1 (2'-3')	Total/NA	Solid	Total BTEX	
880-11144-4	BH-1 (3'-4')	Total/NA	Solid	Total BTEX	
880-11144-5	BH-1 (4'-5')	Total/NA	Solid	Total BTEX	
880-11144-6	BH-1 (5'-6')	Total/NA	Solid	Total BTEX	
880-11144-7	BH-2 (0-1')	Total/NA	Solid	Total BTEX	
880-11144-8	BH-2 (1'-2')	Total/NA	Solid	Total BTEX	
880-11144-9	BH-2 (2'-3')	Total/NA	Solid	Total BTEX	
880-11144-10	BH-2 (3'-4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 19037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11144-1	BH-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-11144-2	BH-1 (1'-2')	Total/NA	Solid	8015NM Prep	
880-11144-3	BH-1 (2'-3')	Total/NA	Solid	8015NM Prep	
880-11144-4	BH-1 (3'-4')	Total/NA	Solid	8015NM Prep	
880-11144-5	BH-1 (4'-5')	Total/NA	Solid	8015NM Prep	
880-11144-6	BH-1 (5'-6')	Total/NA	Solid	8015NM Prep	
880-11144-7	BH-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-11144-8	BH-2 (1'-2')	Total/NA	Solid	8015NM Prep	
880-11144-9	BH-2 (2'-3')	Total/NA	Solid	8015NM Prep	
880-11144-10	BH-2 (3'-4')	Total/NA	Solid	8015NM Prep	
880-11144-11	BH-2 (4'-5')	Total/NA	Solid	8015NM Prep	
MB 880-19037/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19037/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19037/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11144-1 MS	BH-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-11144-1 MSD	BH-1 (0-1')	Total/NA	Solid	8015NM Prep	

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Client: NT Global

Project/Site: South Vaccum Unit 354

Job ID: 880-11144-1 SDG: Lea Co, NM

GC Semi VOA

Analysis Batch: 19108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11144-1	BH-1 (0-1')	Total/NA	Solid	8015B NM	19037
880-11144-2	BH-1 (1'-2')	Total/NA	Solid	8015B NM	19037
880-11144-3	BH-1 (2'-3')	Total/NA	Solid	8015B NM	19037
880-11144-4	BH-1 (3'-4')	Total/NA	Solid	8015B NM	19037
880-11144-5	BH-1 (4'-5')	Total/NA	Solid	8015B NM	19037
880-11144-6	BH-1 (5'-6')	Total/NA	Solid	8015B NM	19037
880-11144-7	BH-2 (0-1')	Total/NA	Solid	8015B NM	19037
880-11144-8	BH-2 (1'-2')	Total/NA	Solid	8015B NM	19037
880-11144-9	BH-2 (2'-3')	Total/NA	Solid	8015B NM	19037
880-11144-10	BH-2 (3'-4')	Total/NA	Solid	8015B NM	19037
880-11144-11	BH-2 (4'-5')	Total/NA	Solid	8015B NM	19037
MB 880-19037/1-A	Method Blank	Total/NA	Solid	8015B NM	19037
LCS 880-19037/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19037
LCSD 880-19037/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19037
880-11144-1 MS	BH-1 (0-1')	Total/NA	Solid	8015B NM	19037
880-11144-1 MSD	BH-1 (0-1')	Total/NA	Solid	8015B NM	19037

Analysis Batch: 19517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11144-1	BH-1 (0-1')	Total/NA	Solid	8015 NM	_
880-11144-2	BH-1 (1'-2')	Total/NA	Solid	8015 NM	
880-11144-3	BH-1 (2'-3')	Total/NA	Solid	8015 NM	
880-11144-4	BH-1 (3'-4')	Total/NA	Solid	8015 NM	
880-11144-5	BH-1 (4'-5')	Total/NA	Solid	8015 NM	
880-11144-6	BH-1 (5'-6')	Total/NA	Solid	8015 NM	
880-11144-7	BH-2 (0-1')	Total/NA	Solid	8015 NM	
880-11144-8	BH-2 (1'-2')	Total/NA	Solid	8015 NM	
880-11144-9	BH-2 (2'-3')	Total/NA	Solid	8015 NM	
880-11144-10	BH-2 (3'-4')	Total/NA	Solid	8015 NM	
880-11144-11	BH-2 (4'-5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 19065

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-11144-1	BH-1 (0-1')	Soluble	Solid	DI Leach	
880-11144-2	BH-1 (1'-2')	Soluble	Solid	DI Leach	
880-11144-3	BH-1 (2'-3')	Soluble	Solid	DI Leach	
880-11144-4	BH-1 (3'-4')	Soluble	Solid	DI Leach	
880-11144-5	BH-1 (4'-5')	Soluble	Solid	DI Leach	
880-11144-6	BH-1 (5'-6')	Soluble	Solid	DI Leach	
880-11144-7	BH-2 (0-1')	Soluble	Solid	DI Leach	
880-11144-8	BH-2 (1'-2')	Soluble	Solid	DI Leach	
880-11144-9	BH-2 (2'-3')	Soluble	Solid	DI Leach	
880-11144-10	BH-2 (3'-4')	Soluble	Solid	DI Leach	
880-11144-11	BH-2 (4'-5')	Soluble	Solid	DI Leach	
MB 880-19065/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19065/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19065/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11144-8 MS	BH-2 (1'-2')	Soluble	Solid	DI Leach	
880-11144-8 MSD	BH-2 (1'-2')	Soluble	Solid	DI Leach	

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Client: NT Global Job ID: 880-11144-1
Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

HPLC/IC

Analysis Batch: 19436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11144-1	BH-1 (0-1')	Soluble	Solid	300.0	19065
880-11144-2	BH-1 (1'-2')	Soluble	Solid	300.0	19065
880-11144-3	BH-1 (2'-3')	Soluble	Solid	300.0	19065
880-11144-4	BH-1 (3'-4')	Soluble	Solid	300.0	19065
880-11144-5	BH-1 (4'-5')	Soluble	Solid	300.0	19065
880-11144-6	BH-1 (5'-6')	Soluble	Solid	300.0	19065
880-11144-7	BH-2 (0-1')	Soluble	Solid	300.0	19065
880-11144-8	BH-2 (1'-2')	Soluble	Solid	300.0	19065
880-11144-9	BH-2 (2'-3')	Soluble	Solid	300.0	19065
880-11144-10	BH-2 (3'-4')	Soluble	Solid	300.0	19065
880-11144-11	BH-2 (4'-5')	Soluble	Solid	300.0	19065
MB 880-19065/1-A	Method Blank	Soluble	Solid	300.0	19065
LCS 880-19065/2-A	Lab Control Sample	Soluble	Solid	300.0	19065
LCSD 880-19065/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19065
880-11144-8 MS	BH-2 (1'-2')	Soluble	Solid	300.0	19065
880-11144-8 MSD	BH-2 (1'-2')	Soluble	Solid	300.0	19065

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Client: NT Global

Project/Site: South Vaccum Unit 354

Job ID: 880-11144-1 SDG: Lea Co, NM

Client Sample ID: BH-1 (0-1')

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23

Lab Sample ID: 880-11144-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 01:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 21:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		1			19436	02/16/22 06:03	CH	XEN MID

Client Sample ID: BH-1 (1'-2')

Date Collected: 02/08/22 00:00

Date Received: 02/09/22 16:23

Lab Sample ID: 880-11144-2

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 02:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 22:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		1			19436	02/16/22 06:15	CH	XEN MID

Client Sample ID: BH-1 (2'-3')

Date Collected: 02/08/22 00:00

Date Received: 02/09/22 16:23

Lab Sample ID: 880-11144-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 02:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 23:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		1			19436	02/16/22 06:51	CH	XEN MID

Client Sample ID: BH-1 (3'-4')

Released to Imaging: 7/5/2022 12:59:53 PM

Date Collected: 02/08/22 00:00

Date Received: 02/09/22 16:23

Lab Sample ID: 880-11144-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 02:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID

Project/Site: South Vaccum Unit 354

Job ID: 880-11144-1

SDG: Lea Co, NM

Client Sample ID: BH-1 (3'-4')

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23 Lab Sample ID: 880-11144-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 23:38	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		1			19436	02/16/22 07:02	CH	XEN MID

Client Sample ID: BH-1 (4'-5')

Date Collected: 02/08/22 00:00

Date Received: 02/09/22 16:23

Lab Sample ID: 880-11144	4-4
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Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 03:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 23:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		1			19436	02/16/22 07:14	CH	XEN MID

Client Sample ID: BH-1 (5'-6')

Date Collected: 02/08/22 00:00

Date Received: 02/09/22 16:23

Lah Sam	nle ID	: 880-11144-6
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Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 03:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/12/22 00:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		1			19436	02/16/22 07:26	CH	XEN MID

Client Sample ID: BH-2 (0-1')

Date Collected: 02/08/22 00:00

Date Received: 02/09/22 16:23

Lab	Sample	ID: 880-11144-7	
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Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 03:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/12/22 00:41	AJ	XEN MID

Client: NT Global

Project/Site: South Vaccum Unit 354

Job ID: 880-11144-1

SDG: Lea Co, NM

Client Sample ID: BH-2 (0-1')

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23 Lab Sample ID: 880-11144-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		1			19436	02/16/22 07:38	CH	XEN MID

Client Sample ID: BH-2 (1'-2') Lab Sample ID: 880-11144-8

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 04:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/12/22 01:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		1			19436	02/16/22 07:50	CH	XEN MID

Client Sample ID: BH-2 (2'-3') Lab Sample ID: 880-11144-9

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23 **Matrix: Solid**

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 04:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/12/22 01:23	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		1			19436	02/16/22 08:25	CH	XEN MID

Client Sample ID: BH-2 (3'-4') Lab Sample ID: 880-11144-10

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	19021	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/12/22 04:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/12/22 01:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		1			19436	02/16/22 08:37	CH	XEN MID

Lab Chronicle

Job ID: 880-11144-1 Client: NT Global Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Client Sample ID: BH-2 (4'-5')

Lab Sample ID: 880-11144-11 Date Collected: 02/08/22 00:00

Matrix: Solid

Date Received: 02/09/22 16:23

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	19118	02/11/22 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19027	02/12/22 17:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19290	02/14/22 08:59	MR	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19037	02/10/22 11:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/12/22 02:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		1			19436	02/16/22 09:13	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global Job ID: 880-11144-1 Project/Site: South Vaccum Unit 354 SDG: Lea Co, NM

Laboratory: Eurofins Midland

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

Authority	Pro	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-21-22	06-30-22
The following analytes	are included in this report, but	t the laboratory is not certific	ed by the governing authority. This list ma	av include analytes fo
the agency does not of	' '	t the laboratory is not certific	ed by the governing additionty. This list the	ay include analytes to
,	' '	Matrix	Analyte	ay illolude allalytes lo
the agency does not of	fer certification.	,	, , ,	ay include allalytes lo

Method Summary

Client: NT Global

Project/Site: South Vaccum Unit 354

Job ID: 880-11144-1 SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: NT Global

Project/Site: South Vaccum Unit 354

Job ID: 880-11144-1 SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11144-1	BH-1 (0-1')	Solid	02/08/22 00:00	02/09/22 16:23
880-11144-2	BH-1 (1'-2')	Solid	02/08/22 00:00	02/09/22 16:23
880-11144-3	BH-1 (2'-3')	Solid	02/08/22 00:00	02/09/22 16:23
880-11144-4	BH-1 (3'-4')	Solid	02/08/22 00:00	02/09/22 16:23
880-11144-5	BH-1 (4'-5')	Solid	02/08/22 00:00	02/09/22 16:23
880-11144-6	BH-1 (5'-6')	Solid	02/08/22 00:00	02/09/22 16:23
880-11144-7	BH-2 (0-1')	Solid	02/08/22 00:00	02/09/22 16:23
880-11144-8	BH-2 (1'-2')	Solid	02/08/22 00:00	02/09/22 16:23
880-11144-9	BH-2 (2'-3')	Solid	02/08/22 00:00	02/09/22 16:23
880-11144-10	BH-2 (3'-4')	Solid	02/08/22 00:00	02/09/22 16:23
880-11144-11	BH-2 (4'-5')	Solid	02/08/22 00:00	02/09/22 16:23

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EN	ENVIRONMENTAL																	8	Ç	44 0	nain o	Page	CI
ect Manager:	Gordon Banks				Bill to: (if different)	ifferent)													Vo	구 O	der (Work Order Comments	
	NTG Environmental	ntal			Company Name:	Name:									ס	Program: UST/PST PRP	n: US	r/PST			βrow	_Brownfields ☐RRC	Uperfunc
	701 Tradewinds BLVD	BLVD			Address:										တ	State of Project:	Proje	Ċ.					
e ZIP:	Midland, TX 79706	06			City, State ZIP:	ZIP:									Z.	Reporting:Level II Level III	ıg:Lev	e	Leve		_Ps1	□ST/UST □RRP	☐ Level IV
	432-813-0263			Email:		land									ē	Deliverables: EDD	bles:	B			ADaPT []	T Other:	
ect Name:	South Vac	South Vacuum Unit 354	4	Turr	Turn Around							Ą	ANALYSIS REQUEST	SIS R	EQUE	TS						Preserva	Preservative Codes
ect Number:	2	214802		マ Routine	Rush		Pres. Code						_	_	_				L			None: NO	DI Water: H
ect Location	Lea	Lea Co, NM		Due Date:	Standard	dard)													Cool: Cool	МеОН: Ме
npler's Name:	Z	WH/DW		TAT starts the day received by the	day receive	d by the			MRO													HCL: HC	HNO ₃ : HN
MPLE RECEIPT		Temp Blank:	Yes) Wet Ice:		No	eters	В	PRO +	0.0												H ₃ PO ₄ : HP	Na Chi
eived Intact:	(Yeś	No	Thermometer ID:	eter ID:	+	B	arar	802	1 0 +	de 3											OLD	NaHSO₄: NABIS	S
ler Custody Seals:	Yes	(A)	Correction Factor:	Factor:			F	вте	/ (G	hloi											ı	Na23203. Na303	7. 7.
nple Custody Seals: al Containers:	Yes	No MA	Temperate Corrected	Temperature Reading: Corrected Temperature:	ë	n r			8015	c												NaOH+Ascorbic Acid: SAPC	Acid: SAPC
Sample Identification	ification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPI													Sample	Sample Comments
BH-1 (0-1')	-1')	2/8/2022	1	×	-	G	_	×	×	×													
BH-1 (1'-2')	-2')	2/8/2022	1	×	-	G	-1	×	×	×						_							
BH-1 (2'	(2'-3')	2/8/2022	-	×	-	G	_	×	×	×		_	-		\vdash	-	_	<u> </u>					
BH-1 (3'-4')	-4')	2/8/2022	-	×		G		×	×	×	_				-	ļ	-						
BH-1 (4'-5')	-5')	2/8/2022	-	×	1	G		×	×	×	_			-	-	-	-						
BH-1 (5'-6')	-6')	2/8/2022	-	×	-	G		×	×	×	_		_	-	┝	-	_		_				
BH-2 (0-1')	-1')	2/8/2022	-	X	-	G		×	×	×	_		_	-	-	-	_		_				
BH-2 (1'-2')	-2')	2/8/2022		×	-	G		×	×	×	_		_	-	-	-	-						
BH-2 (2'	(2'-3')	2/8/2022		X	-	G		×	×	×		_	_	_		-	_						
BH-2 (3'	(3'-4')	2/8/2022		×	-	G	_	×	×	×		-	-	H	-	_		<u> </u>	L				
Additoi	Additoinal Comments:																						
e: Signature of this d vice. Xenco will be li	e: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assign rvice. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to a new Aminimum charge of \$85.00 will be applied to each project and a charge of \$6 for each sample submitted to Xenco, but not analyzed. These terms will be enforced u	shment of samp of samples and	es constitut shall not as: roiect and a	es a valid purchas sume any respons	se order fron sibility for ar	n client com	pany to Xe expenses o Xenco, b	enco, its incurre	s affilia d by th		and subcontractors. It assign elient if such losses are due to the These terms will be enforced u	ctors. It		s standard terms and conditions circumstances beyond the control inless previously negotiated.	ard ter tances	ms and beyond	conditi the co	ons					
elinquished by:	(Signature)	0	Received	Received by: (Signature)	ıre)		D	Date/Time	ime		Relir	Relinquished by	ed by:	(Sigr	(Signature)	$ \ $	7	Received by: (Signature)	ed by	/: (Si	ynatu	re)	Date/Time
Nicov El		STATE OF THE STATE	7	7	V		2/01/2	22	6	16:23													

DI Water: H₂O

☐ Level IV ☐

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Chain of Custody

Project Manager	
Gordon Banks	ENVIRONMENTAL

Revised Date 05012020 Rev. 2020.1											
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nature) Date/Time	Received by: (Signature)	Relinquished by: (Signature)	ime	Date/Time		e)	Received by: (Signature	Received		: (Signature)	Relinquished by: (Signature)
	negotiated.	of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	analyzed. These	o, but not :	itted to Xenc	ch sample subm	charge of \$5 for ea	project and a	applied to each	narge of \$85.00 will be	of Xenco. A minimum ch
	s and conditions eyond the control	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control	s affiliates and ed by the client	o Xenco, its	it company to	e order from clier bility for any loss	es a valid purchasi sume anv responsi	ples constitut	uishment of sam	document and reling	Notice: Signature of this
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			×	×	_	- G	×		2/8/2022	4'-5')	BH-2 (4'-5')
Sample Comments			TP		b/ # of np Cont	Water Comp	Soil	Time	Date	ntification	Sample Identification
NaOH+Ascorbic Acid: SAPC			H 80			6.3	Corrected Temperature:	Corrected	(-	Total Containers:
Zn Acetate+NaOH: Zn				В		6.2	Temperature Reading:	Temperati	No MA		Sample Custody Seals
		-		TEX	P	-	Factor:	Correction Factor:	No MA	Yes	Cooler Custody Seals:
NaHSO ₄ : NABIS			tO +	802	arar	TRE	eter ID:	Thermometer ID:	s)No	(Yes	Received Intact:
			DRC 00.0	1B	nete	No No	Wet Ice:	Yes No	emp Blank:		SAMPLE RECEIPT
H ₂ SO ₄ : H ₂ NaOH: Na) + N			lab, if received by 4:30pm	lab, if receiv				PO #:
			(RO		ਜ ਰ	lay received by t	TAT starts the day received by the		NH/DW		Sampler's Name:
⊻)			Standard	Due Date:		Lea Co, NM	Le	Project Location
None: NO DI Water: H ₂ O					Code	Rush	✓ Routine		214802		Project Number:
Preservative Codes	ST .	ANALYSIS REQUEST				Turn Around	Turn	354	South Vacuum Unit 354	South V	Project Name:
ADaPT LJ Other:	Deliverables: EDD	Deli				NTG Midland	Email:			432-813-0263	Phone:
	Level III	Rep		-		City, State ZIP:			706	Midland, TX 79706	City, State ZIP:
	State of Project:	Sta				Address:			s BLVD	701 Tradewinds BLVD	Address:
3rownfields ☐RRC ☐uperfund ☐	Program: UST/PST	Pro			Ö.	Company Name	1		ental	NTG Environmental	Company Name:

Work Order Comments

Login Sample Receipt Checklist

Client: NT Global Job Number: 880-11144-1 SDG Number: Lea Co, NM

Login Number: 11144 List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	received a day after it was sampled
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	N/A	No time on COC, logged in per container labels.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 119276

CONDITIONS

Operator:	OGRID:
Catena Resources Operating, LLC	328449
1001 Fannin Street	Action Number:
Houston, TX 77002	119276
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created Bv	Condition	Condition
БУ		Date
jnobui	Remediation Plan Approved with Conditions. Adequate delineation has not been achieved with borings BH-1 and BH-2. Please ensure release area is sufficiently delineated and remediated per 19.15.29 NMAC criteria during implementation of Remediation Work Plan.	7/5/2022