nAPP2208052877 Incident ID 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?	<u>Unkn</u> own (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 vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.				
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 wells. 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 				

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.

□ Laboratory data including chain of custody

Received by OCD: 5/22/2023 3:13:35 PM Form C-141 State of New Mexico Oil Conservation Division Page 4

Received by:

	Page	2	of	<u>1</u> 41
1APP22080	52877			Ì

Incident ID	nAPP2208052877
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Title: Env. Professional Printed Name: Dale Woodall _____ Date: 5/22/2023 Signature: Dale Woodall Telephone: 575-748-1838 email: dale.woodall@dvn.com **OCD Only**

Date:

Page 3 of 141

Incident ID	nAPP2208052877
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following is	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
□ Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rerhuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the conaccordance with 19.15.29.13 NMAC including notification to the O	tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.
Printed Name: Dale Woodall	
Signature: Dals Woodall	Date: <u>5/22/2023</u>
email: dale.woodall@dvn.com	Telephone: 575-748-1838
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

Page 4 of 141

Incident ID	nAPP2208052877
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 points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 			
Deferral Requests Only: Each of the following items must be con-	nfirmed 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 healt	h, the environment, or groundwater.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.			
Printed Name: Dale Woodall	Title: Env. Professional		
Signature: Dala Woodall	Date:5/22/2023		
email:dale.woodall@dvn.com	Telephone:575-748-1838		
OCD Only			
Received by:	Date:		
Approved	Approval		
Signature:	Date:		

Page 5 of 141

Incident ID	nAPP2208052877
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following it	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and renhuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC including notification to the Octaviance of the coraccordance with 19.15.29.13 NMAC inc	tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
Printed Name: Dale Woodall	
Signature: Dals Woodall	Date: <u>5/22/2023</u>
email: dale.woodall@dvn.com	Telephone: 575-748-1838
OCD Only	
Received by: Robert Hamlet	Date:10/13/2023
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Robert Hamlet	Date: 10/13/2023
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced



402 E. Wood Avenue Carlsbad, New Mexico 88220 Tel. 432.701.2159 www.ntgenvironmental.com

July 19, 2022

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

Re: Closure Report

Spica 25 Fed 1 Battery Devon Energy Production Company Site Location: Unit A, S26, T19S, R31E (Lat 32.637803°, Long -103.832231°) Eddy County, New Mexico Incident ID: nAPP2208052877

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remedial action activities at the Spica 25 Fed 1 Battery (Site). The Site is located approximately 13 miles southeast of Loco Hills, New Mexico in Eddy County (Figures 1 and 2).

Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on March 19, 2022. The release was a result of a equipment failure resulting in the release of approximately 5 barrels (bbls) of produced water of which 4 bbls where recovered. Upon discovery, the equipment was shut-in and area was secured. The release is shown on Figure 3. 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 State Engineers and USGS databases, there are no known water sources within a ½ mile radius of the location. The nearest identified well is located 1.06 miles west-southwest of the site at Latitude 32.63416667, Longitude 103.85000000. The well was drilled in 1971 and the reported depth to groundwater is 142.71 feet below ground surface (ft bgs). Site characterization information and the associated USGS summary report is attached.

Regulatory Criteria

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

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

Creating a Better Environment For Oil & Gas Operations

Mr. Mike Bratcher July 19, 2022 Page 2 of 3

Site Assessment

On March 30, 2022, NTGE conducted site assessment activities to assess the horizontal and vertical extent of impacts at the Site. Five sample point (S-1 through S-5) was installed within the release area to characterize the vertical impacts. Four horizontal sample points (H-1 through H-4) were installed to define the horizontal extent of impacts. Soil samples were collected in 0.5 to 1 ft depth intervals from depths ranging from 0.5 - 2.5 ft bgs with a geotechnical handauger. The handauger was decontaminated with Alconox and deionized water between soil borings to prevent crosscontamination. Sample locations are shown on Figure 3.

Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Envirotech Laboratories in Farmington, New Mexico for chemical analysis. Soil samples were analyzed collected and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Laboratory reports containing analytical methods and chain-of-custody documents are attached.

Initial Analytical results identified no impacts at depth (1-1.5 ft bgs) in the release area however at (2-2.5 ft bgs) Chloride impacts were discovered in the area of (S-4). Soil impacts were confined to the upper 1-1.5 ft bgs in (S-1, S-3 and S-5). Analytical results from the horizontal delineation indicated sample points H-1 - H-4 were below the regulatory limit for all analytes.

Remedial Action Activities and Confirmation Sampling

Based on the analytical results, Devon proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The release area was excavated to a depth of 1 ft bgs in the areas of (S-1, S-2, S-3 and S-5) and 3ft bgs in the area of (S-4).

The soils were field screened during excavation activities to aide in determining final excavation depths. On May 24, 2022, a total of 15 confirmation samples were collected from the excavation base (CS-1 - CS-15) and 13 confirmation samples were collected from the excavation sidewalls (SW-1 - SW-13) to ensure impacted soil was removed. Upon receipt of confirmation sampling results, it was noted that TPH concentrations in the sample SW-4 was above the regulatory limits.

As a result, the excavation was expanded, the area of SW-4 was expanded horizontally to encompass area of impact. On July 1, 20222, three additional sidewall confirmation samples were collected (i.e., SW-14, SW-15 and SW-16) following the excavation expansion activities to confirm the removal of impacted soils.

The confirmation samples were collected every 200 square feet in accordance with the regulatory guidelines and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Following receipt of the final analytical results confirming the removal of the impacted soils, the excavation was backfilled and returned to near-natural grade. The final excavation extent and confirmation sample locations are shown on Figure 4. Analytical results of the confirmation samples are included in Table 1.

A NTG

Mr. Mike Bratcher July 19, 2022 Page 3 of 3

Closing

Based on the assessment and subsequent remedial action activities, the Site is in compliance with the regulatory limits and no further actions are required at the site. A copy of the final C- 141 is attached and Devon formally request a no further action designation for the Site. If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.

Sincerely,

NTG Environmental

Ethan Sessums

Project Manager

Attachments:

Initial And Final C-141

Site Characterization Information

Tables Figures

Photographic Log

Laboratory Reports and Chain-of-Custody Documents

A NTG

Ethan Sessums

From: Ethan Sessums

Sent: Tuesday, June 28, 2022 9:14 AM

To: ocd.enviro@state.nm.us

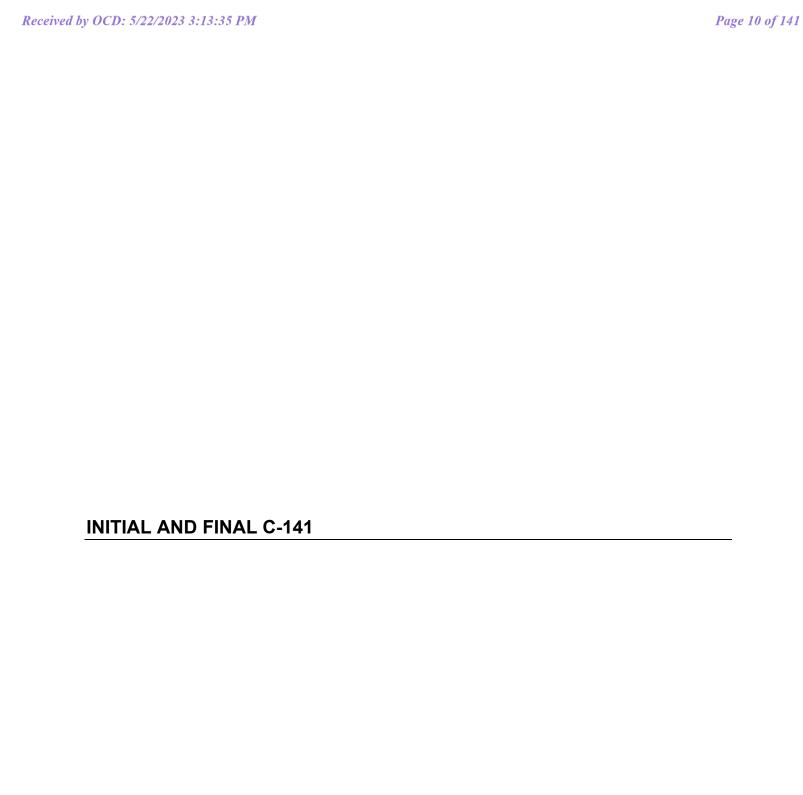
Subject: Sampling Notification (Rescheduled)

We will be sampling on behalf of Devon at the below referenced site on 7.1.2022. around 9 a.m. MST

Spica 25 Fed: NAPP2208052877, NRM2011329998, and the reported incident occurring on 5.26.2014 for the associated site incident files could not be found.

Ethan Sessums
Environmental Scientist
NTG Environmental New Mexico
402 E Wood Ave, Carlsbad, NM 88220
M: 254-266-5456 W: 432-701-2159
Email: esessums@ntglobal.com
http://www.ntgenvironmental.com/





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

State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible	Responsible Party OGRID					
Contact Nam	ie			Contact To	Telephone	
Contact emai	i1			Incident #	# (assigned by OCD)	
Contact mail	ing address			-		
			Location	of Release So	ource	
Latitude				Longitude		
			(NAD 83 in de	cimal degrees to 5 decin	nal places)	
Site Name				Site Type		
Date Release	Discovered			API# (if app	olicable)	
Unit Letter	Section	Township	Range	Cour	ntv]
Ont Letter	Section	Township	runge	Cour	11.7	
Surface Owner	r: State	☐ Federal ☐ Tr	ibal Private (I	Name:)
			Nature and	d Volume of 1	Release	
Crude Oil		(s) Released (Select al Volume Release		calculations or specific	Volume Reco	volumes provided below) vered (bbls)
Produced	Water	Volume Release	` '		Volume Reco	
	Is the concentration of total dissolved solids (TDS)		☐ Yes ☐ N	, ,		
		in the produced	water >10,000 mg			
☐ Condensa	Condensate Volume Released (bbls)		Volume Recovered (bbls)			
☐ Natural Gas Volume Released (Mcf)			Volume Reco	vered (Mcf)		
Other (describe) Volume/Weight Released (provide units)		e units)	Volume/Weight Recovered (provide units)			
Cause of Rele	ease					

Received by OCD: 5/22/2023 3:13:35 PM State of New Mexico
Page 2 Oil Conservation Division

	Page 12eof 1	41
Incident ID		
District RP		
Facility ID		
Application ID		

Was this a major release as defined by	If YES, for what reason(s) does the respo	nsible party consider this a major release?
19.15.29.7(A) NMAC?		
☐ Yes ☐ No		
If VES, was immediate no	ation given to the OCD? By whom? To w	nom? When and by what means (phone, email, etc)?
II 1E3, was iniliediate no	once given to the OCD: By whom: To wi	ioni: when and by what means (phone, eman, etc):
	Initial R	esponse
The responsible p	party must undertake the following actions immediate	y unless they could create a safety hazard that would result in injury
☐ The source of the relea	ase has been stopped.	
☐ The impacted area has	s been secured to protect human health and	the environment.
Released materials have	ve been contained via the use of berms or o	likes, absorbent pads, or other containment devices.
	coverable materials have been removed an	
If all the actions described	l above have <u>not</u> been undertaken, explain	why:
- 10152000 (0.304		
has begun, please attach a	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 blease attach all information needed for closure evaluation.
		best of my knowledge and understand that pursuant to OCD rules and
public health or the environm	nent. The acceptance of a C-141 report by the C	fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have
addition, OCD acceptance of		at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
and/or regulations.		
Printed Name:		Title:
Signature: Kendra	a Ruiz	Date:
email:		Telephone:
OCD Only		
Received by:Jocelyn F	Harimon	Date: _07/20/2022
•	Harimon	Date: _07/20/2022

Page 13 of 141

Incident ID nAPP2208052877

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?	<u>Unkn</u> own (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.	rtical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
 \infty Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data 	ls.
☐ 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	
☐ 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.

Received by OCD: 5/22/2023 3:13:35 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 14 of 14	1
Incident ID	nAPP2208052877	
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 failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	occ does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Dale Woodall	Title: Env. Professional
Signature: Dals Woodall	Date: _5/22/2023
email:dale.woodall@dvn.com	Telephone: 575-748-1838
OCD Only	
Received by:	Date:

Received by OCD: 5/22/2023 3:13:35 PM Form C-141 State of New Mexico Oil Conservation Division Page 6

Page 15 of 141 Incident ID nAPP2208052877 District RP Facility ID Application ID

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following it	tems must be included in the closure report.							
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC							
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office nust be notified 2 days prior to liner inspection)								
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)							
Description of remediation activities								
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and renduman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the confaccordance with 19.15.29.13 NMAC including notification to the O	tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.							
Printed Name: Dale Woodall	Title: Env. Professional							
Signature: Dale Woodall	Date: <u>5/22/2023</u>							
email: dale.woodall@dvn.com	Telephone: 575-748-1838							
OCD Only								
Received by:	Date:							
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.							
Closure Approved by:	Date:							
Printed Name:	Title:							

Remediation Plan Checklist: Each of the following items must be included in the plan.

te of New Mexico

Incident ID	nAPP2208052877
District RP	
Facility ID	
Application ID	

Remediation Plan

 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation point ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.1 ☑ Proposed schedule for remediation (note if remediation plan times) 	2(C)(4) NMAC
Deferral Requests Only: Each of the following items must be con	firmed as part of any request for deferral of remediation.
_	oduction 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	, the environment, or groundwater.
which may endanger public health or the environment. The accepta liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local libraries. Printed Name:Dale Woodall Signature:Dale Woodall email:dale.woodall@dvn.com	rertain release notifications and perform corrective actions for releases nce of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
OCD Only	
Received by:	Date:
Approved	Approval
Signature:	Date:



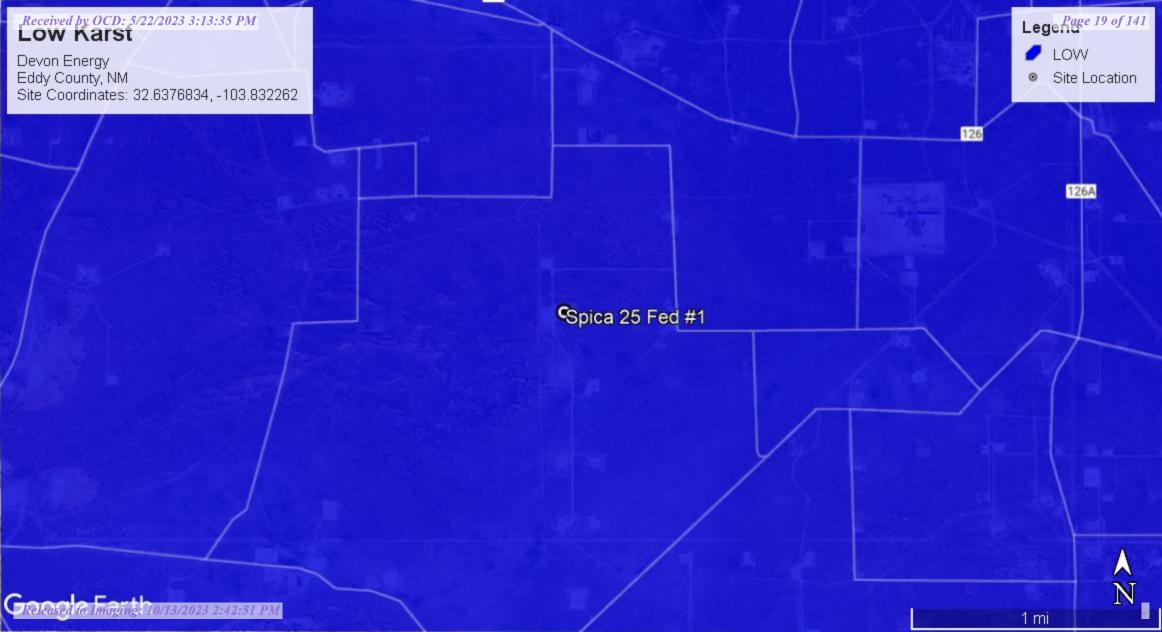
Devon Energy - Spica 25 Fed 1 Sec 26 T19S R31E Unit A 32.6376834, -103.832262 Eddy County, New Mexico

Site Characterization

- -No water features within specified distances of 1/2 mile radius, drilled within 25 years
- -Low Karst
- -USGS Groundwater is 142.71' below surface, 1.06 miles West-SouthWest of the site, 1971 Drilled, Section 27
- -USGS Groundwater is 141.52' below surface, 1.14 miles West-Southwest of the site, 1988 Drilled, Section 27
- -USGS Groundwater is 166.99' below surface, 1.26 miles West-Southwest of the site, 1994 Drilled, Section 27
- -NMSEO Groundwater is 130' below surface, 1.37 miles South-Southeast of the site, 1982 Drilled, Section 36

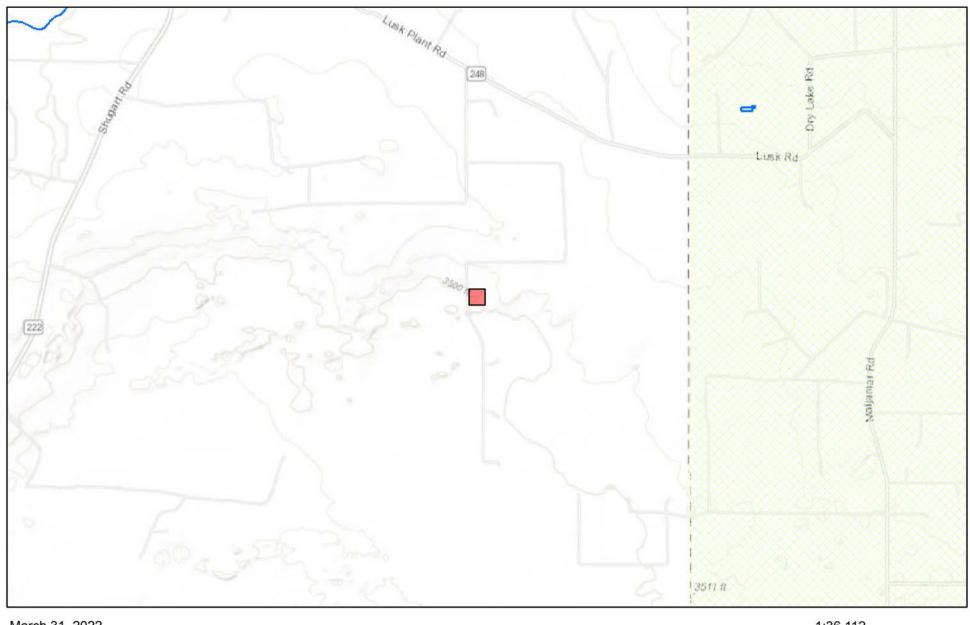
RRALs due to insufficient *RECENT* groundwater data\

- -Chlorides 600 mg/kg
- -TPH GRO+DRO+MRO 100 mg/kg
- -BTEX 50 mg/kg
- -Benzene 10 mg/kg

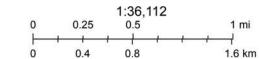




New Mexico NFHL Data



March 31, 2022



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest) (NAD83 UTM in meters) Q64 Q16 Q4 Sec Tws Rng \mathbf{X}

Well Tag POD Number CP 00641 POD1 4 1 36 19S 31E 610247 3609634*

LARRY'S DRILLING & PUMP CO. **Driller License:** 882 **Driller Company:**

Driller Name: FELKINS, LARRY

Drill Start Date: 02/11/1982 **Drill Finish Date:** 02/12/1982 Plug Date:

PCW Rcv Date: Log File Date: 02/23/1982 Shallow Source: Pump Type: Pipe Discharge Size: **Estimated Yield:**

Casing Size: Depth Well: 300 feet Depth Water: 130 feet

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.

POINT OF DIVERSION SUMMARY

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



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned,

C=the file is (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NA

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub- Code basin	County	Q Q Q		Tws	Rng	x	Y	Distance	-	Depth Water	Water Column
CP 00642 POD1	СР	ED	2 2	25	19S	31E	611025	3611657* 🌍	1496	250		
CP 00641 POD1	СР	ED	4 1	36	198	31E	610247	3609634*	2209	300	130	170
CP 01554 POD2	CP	LE	2 2 1	22	198	31E	607165	3613322 🌑	2854	400		
CP 01554 POD1	СР	LE	2 2 1	22	198	31E	607166	3613354 🌍	2872	400		

Average Depth to Water: 130 feet

Minimum Depth: 130 feet

Maximum Depth: 130 feet

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 609530 **Northing (Y):** 3611724 **Radius:** 3000

*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.



USGS Home **Contact USGS** Search USGS

National Water Information System: Web Interface

USGS Water Resources

Groundwater New Mexico **∨** GO

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: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 323803103510001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323803103510001 19S.31E.27.21000

Eddy County, New Mexico Latitude 32°38'03", Longitude 103°51'00" NAD27

Land-surface elevation 3,503 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

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 datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1966-05-12		D	62610		3331.44	NGVD29	Р	Z			,
1966-05-12		D	62611		3333.00	NAVD88	Р	Z			,
1966-05-12		D	72019	170.00			Р	Z			,
1968-04-03		D	62610		3358.81	NGVD29	1	Z			,
1968-04-03		D	62611		3360.37	NAVD88	1	Z			,
1968-04-03		D	72019	142.63			1	Z			,
1971-02-01		D	62610		3358.73	NGVD29	1	Z			,
1971-02-01		D	62611		3360.29	NAVD88	1	Z			,
1971-02-01		D	72019	142.71			1	Z			,

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	Р	Pumping
Method of measurement	Z	Other.
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
Help
Data Tips
Explanation of terms
Subscribe for system changes
News News

Accessibility

FOIA

Privacy

Policies and Notices

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: 2022-03-31 12:10:20 EDT
0.36 0.34 nadww01

USA.gov



USGS Home **Contact USGS** Search USGS

National Water Information System: Web Interface

USGS Water Resources

Groundwater New Mexico **∨** GO

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: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 323807103510601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323807103510601 19S.31E.27.214132

Eddy County, New Mexico Latitude 32°38'07", Longitude 103°51'06" NAD27

Land-surface elevation 3,500 feet above NAVD88

The depth of the well is 177 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) 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 datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1003.01.10			63640		2261.01	NC//D20					
1983-01-19		D			3361.91	NGVD29	1	_			Α
1983-01-19		D	62611		3363.47	NAVD88	1	Z			Α
1983-01-19		D	72019	136.53			1	Z			Α
1988-02-23		D	62610		3356.92	NGVD29	1	Z			А
1988-02-23		D	62611		3358.48	NAVD88	1	Z			Α
1988-02-23		D	72019	141.52			1	Z			А

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
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 Help Data Tips Explanation of terms
Subscribe for system changes News

Accessibility FOIA

Privacy

Policies and Notices

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: 2022-03-31 12:15:50 EDT 0.28 0.25 nadww02

USA.gov



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:
Groundwater V New Mexico V GO

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 =

• 323810103511401

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323810103511401 19S.31E.27.214121

Eddy County, New Mexico Latitude 32°38'10", Longitude 103°51'14" NAD27 Land-surface elevation 3,480 feet above NGVD29 The depth of the well is 210.00 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Santa Rosa Sandstone (231SNRS) 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 datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1988-02-23		D	62610		3331.86	NGVD29		S			Α
1988-02-23		D	62611		3333.41	NAVD88		S			Α
1988-02-23		D	72019	148.14				S			Α
1994-03-18		D	62610		3313.01	NGVD29	Р	S			А
1994-03-18		D	62611		3314.56	NAVD88	P	S			Α
1994-03-18		D	72019	166.99			Р	S			А

		Explanation
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status		The reported water-level measurement represents a static level
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	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
Subscribe for system changes

News

Accessibility FOIA

Privacy

Policies and Notices

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: 2022-03-31 12:18:49 EDT
0.27 0.24 nadww02

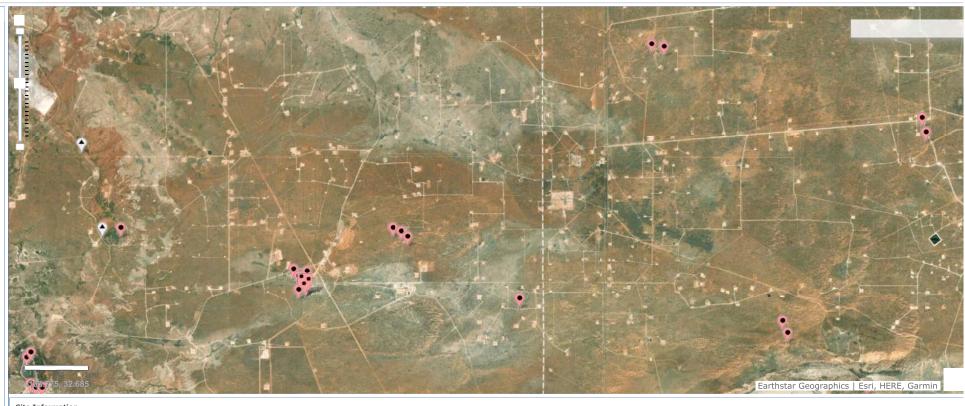
USA.gov

USGS Home **Contact USGS** Search USGS

National Water Information System: Mapper



Received by OCD: 5/22/2023 3:13:35 PM



Site Information

TABLES

Table 1
Devon Energy
Spica 25 Fed 1H (Spill #1)
Initial Assessment
Eddy County, New
Mexico

Sample	D. C.	Sample		TPH	(mg/kg)							
ID	Date	Depth (ft)	DRO	GRO	MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
S-1	3/30/2022	1-1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	66.1
S-2	3/30/2022	2-2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	310.0
S-3	3/30/2022	1-1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	271.0
S-4	3/30/2022	2-2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	680.0
S-5	3/30/2022	1-1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	60.9
H-1	3/30/2022	0-1'	ND	ND	ND	ND	ND	ND	ND	ND	ND	52.6
H-2	3/30/2022	0-1'	ND	ND	ND	ND	ND	ND	ND	ND	ND	64.7
H-3	3/30/2022	0-1'	ND	ND	ND	ND	ND	ND	ND	ND	ND	61.3
H-4	3/30/2022	0-1'	ND	ND	ND	ND	ND	ND	ND	ND	ND	76.7
Regulatory Limits A		100 mg/kg			100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg	

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- total petroleum hydrocarbons

ft-feet

- exceeds regulatory limits

Received by OCD: 5/22/2023 3:13:35 PM

Table 1 **Devon Energy** Spica 25 Fed 1 (Spill #1) **Confirmation Samples Eddy County, New Mexico**

OI- ID	D-t-	Sample	TPH (mg/kg)				Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	DRO	GRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
CS-1	5/24/2022	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	94.2
CS-2	5/24/2022	1.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	51.1
CS-3	5/24/2022	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	115
CS-4	5/24/2022	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	172
CS-5	5/24/2022	1.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	33.4
CS-6	5/24/2022	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	66.3
CS-7	5/24/2022	1.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	314
CS-8	5/24/2022	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	0.00595	0.00595	181
CS-9	5/24/2022	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	0.00717	0.00717	55.4
CS-10	5/24/2022	3.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	58.3
CS-11	5/24/2022	3.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	276
CS-12	5/24/2022	3.5	<49.9	<49.9	<49.9	<49.9	<0.00202	0.00635	0.00268	0.031	0.04	65.4
CS-13	5/24/2022	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	38.1
CS-14	5/24/2022	1.0	<49.9	<49.9	52	51.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	35.0
CS-15	5/24/2022	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	97.2
SW-1	5/24/2022		<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	58.2
SW-2	5/24/2022		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	121
SW-3	5/24/2022		<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	573
SW-4	5/24/2022		<50.0	51	1,200	1,250	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	71.8
SW-5	5/24/2022		<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	224
SW-6	5/24/2022		<49.9	51	<49.9	51.3	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	51.2
SW-7	5/24/2022		<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	99.3
SW-8	5/24/2022		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	100
SW-9	5/24/2022		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	91.9
SW-10	5/24/2022		<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	176
SW-11	5/24/2022		<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	143
SW-12	5/24/2022		<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	261
SW-13	5/24/2022		<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	257
SW-14	7/1/2022		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64
SW-15	7/1/2022		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32
SW-16	7/1/2022		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16
Regulato	ry Limits ^A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/k

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

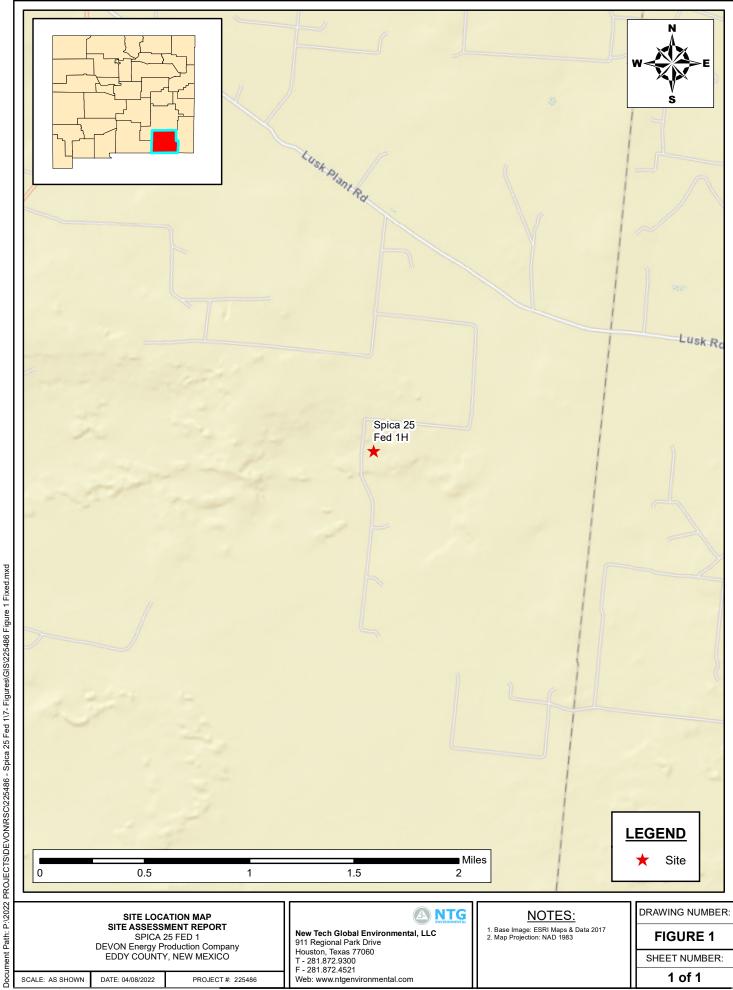
TPH- total petroleum hydrocarbons

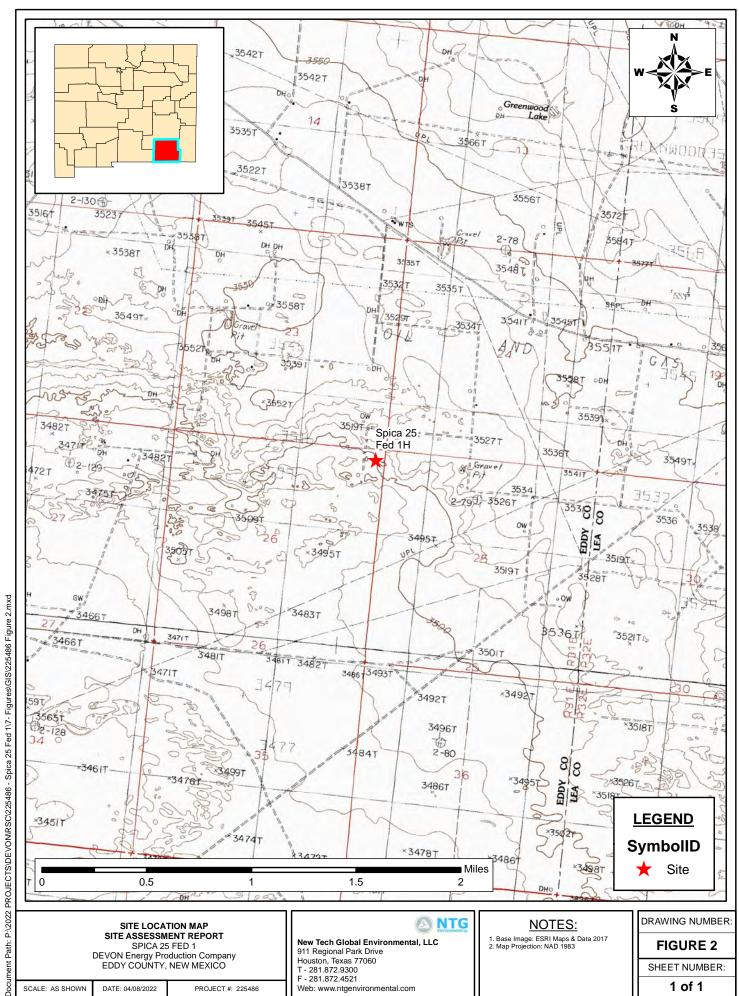
ft-feet

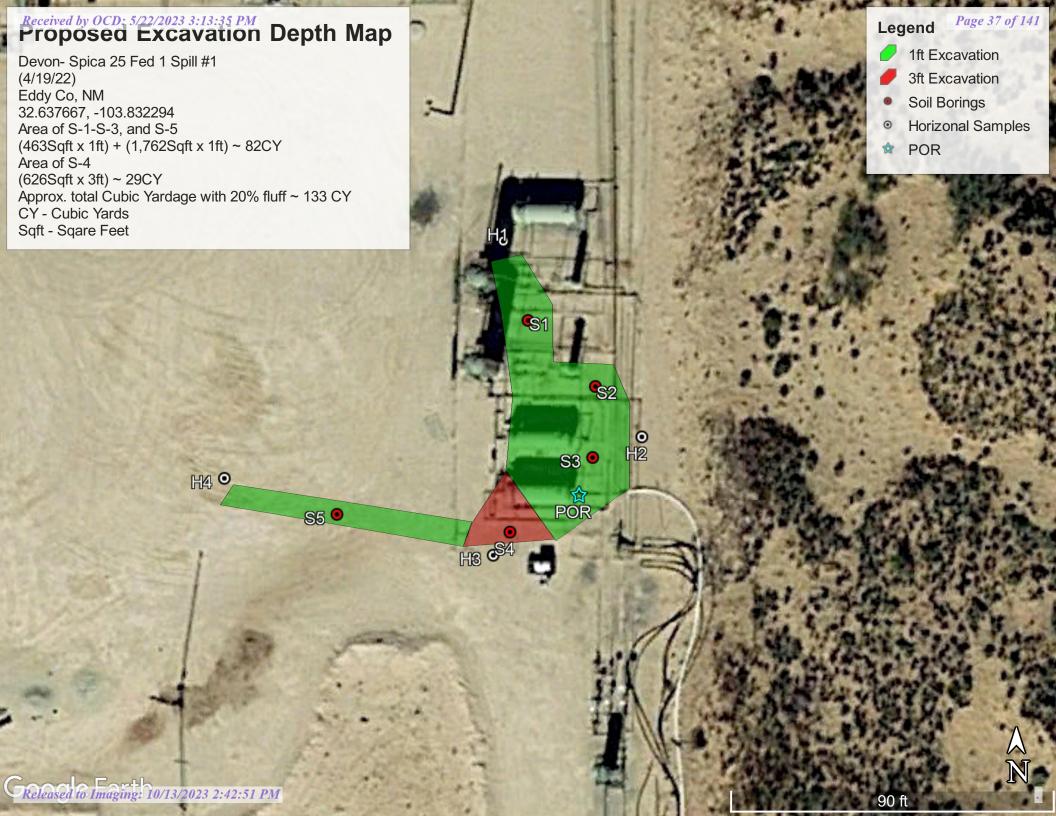
- exceeds regulatory limits

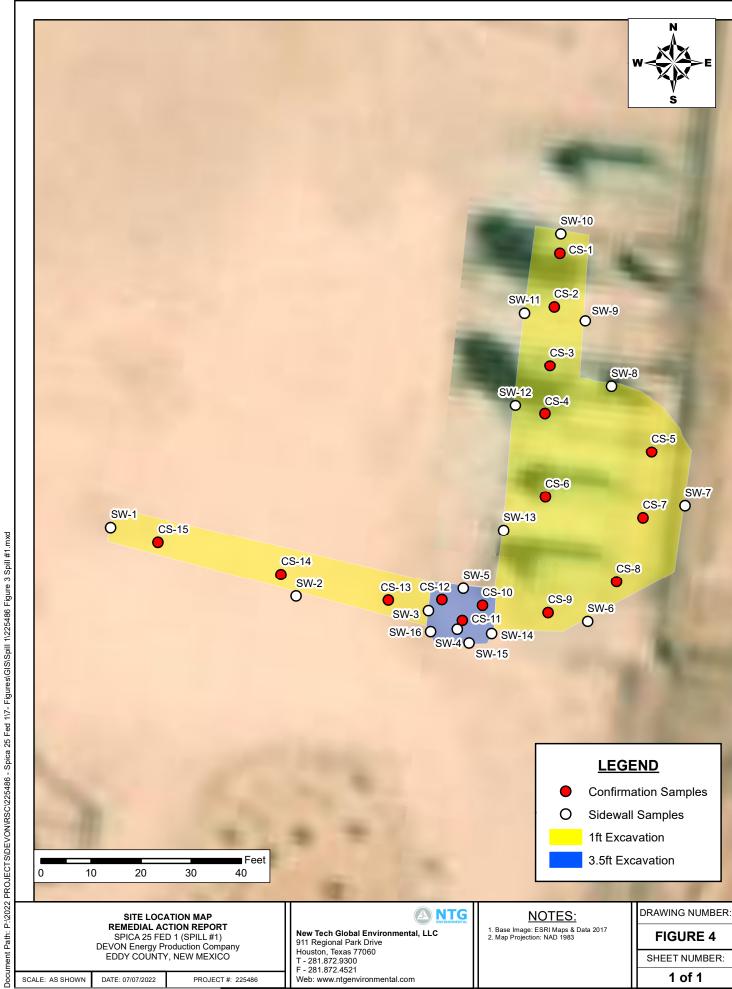


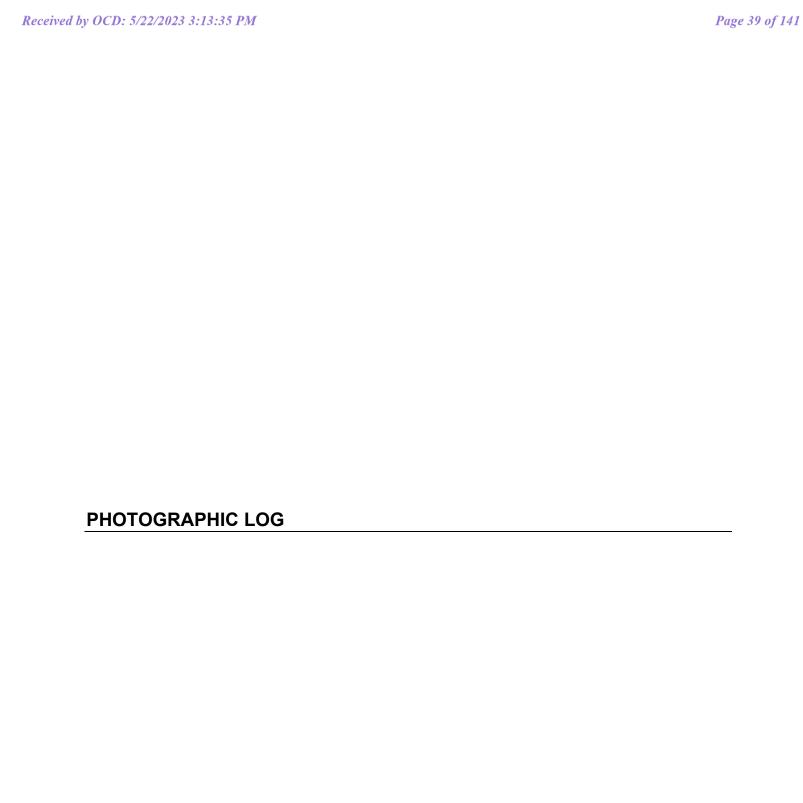
FIGURES











Devon Energy Production Company

Photograph No. 1

Facility:

Spica 25 FED 1 (Spill #1)

County:

Eddy County, New Mexico

Description:Remediated site



Photograph No. 2

Facility:

Spica 25 FED 1 (Spill #1)

County:

Eddy County, New Mexico

Description:Remediated site



Photograph No. 3

Facility:

Spica 25 FED 1 (Spill #1)

County:

Eddy County, New Mexico



Devon Energy Production Company

Photograph No. 4

Facility:

Spica 25 FED 1 (Spill #1)

County:

Eddy County, New Mexico

Description:Remediated site



Photograph No. 5

Facility:

Spica 25 FED 1 (Spill #1)

County:

Eddy County, New Mexico

Description:Remediated site



Photograph No. 6

Facility:

Spica 25 FED 1 (Spill #1)

County:

Eddy County, New Mexico



Devon Energy Production Company

Photograph No. 7

Facility:

Spica 25 FED 1 (Spill #1)

County:

Eddy County, New Mexico

Description:Remediated site



Photograph No. 8

Facility:

Spica 25 FED 1 (Spill #1)

County:

Eddy County, New Mexico

Description:Remediated site



Photograph No. 9

Facility:

Spica 25 FED 1 (Spill #1)

County:

Eddy County, New Mexico



Devon Energy Production Company

Photograph No. 10

Facility:

Spica 25 FED 1 (Spill #1)

County:

Eddy County, New Mexico

Description:Remediated site



Photograph No. 11

Facility:

Spica 25 FED 1 (Spill #1)

County:

Eddy County, New Mexico

Description:Remediated site



Photograph No. 12

Facility:

Spica 25 FED 1 (Spill #1)

County:

Eddy County, New Mexico



Devon Energy Production Company

Photograph No. 13

Facility:

Spica 25 FED 1 (Spill #1)

County:

Eddy County, New Mexico

Description:

Remediated site prior to backfill (after rain event)



Photograph No. 14

Facility:

Spica 25 FED 1 (Spill #1)

County:

Eddy County, New Mexico

Description:

Remediated site prior to backfill (after rain event)



Received by OCD: 5/22/2023 3:13:35 PM	Page 45 of 141
LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS	

Report to:
Ethan Sessums





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: Spica 25 Fed 1H

Work Order: E204005

Job Number: 01058-0007

Received: 4/1/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/8/22

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: 4/8/22

Ethan Sessums 911 Regional Park Dr. Houston, TX 77060

Project Name: Spica 25 Fed 1H

Workorder: E204005

Date Received: 4/1/2022 1:00:00PM

Ethan Sessums,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/1/2022 1:00:00PM, under the Project Name: Spica 25 Fed 1H.

The analytical test results summarized in this report with the Project Name: Spica 25 Fed 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
S-1 (1-1.5')	5
S-2 (2-2.5')	6
S-3 (1-1.5')	7
S-4 (2-2.5')	8
S-5 (1-1.5')	9
H-1	10
H-2	11
H-3	12
H-4	13
QC Summary Data	14
QC - Volatile Organics by EPA 8021B	14
QC - Nonhalogenated Organics by EPA 8015D - GRO	15
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	16
QC - Anions by EPA 300.0/9056A	17
Definitions and Notes	18
Chain of Custody etc.	19

Sample Summary

NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H	Donautada
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	04/08/22 16:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 (1-1.5')	E204005-01A	Soil	03/30/22	04/01/22	Glass Jar, 4 oz.
S-2 (2-2.5')	E204005-02A	Soil	03/30/22	04/01/22	Glass Jar, 4 oz.
S-3 (1-1.5')	E204005-03A	Soil	03/30/22	04/01/22	Glass Jar, 4 oz.
S-4 (2-2.5')	E204005-04A	Soil	03/30/22	04/01/22	Glass Jar, 4 oz.
S-5 (1-1.5')	E204005-05A	Soil	03/30/22	04/01/22	Glass Jar, 4 oz.
H-1	E204005-06A	Soil	03/30/22	04/01/22	Glass Jar, 4 oz.
H-2	E204005-07A	Soil	03/30/22	04/01/22	Glass Jar, 4 oz.
H-3	E204005-08A	Soil	03/30/22	04/01/22	Glass Jar, 4 oz.
H-4	E204005-09A	Soil	03/30/22	04/01/22	Glass Jar, 4 oz.

NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	4/8/2022 4:02:43PM

S-1 (1-1.5') E204005-01

		E204005-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2215002
Benzene	ND	0.0250	1	04/04/22	04/06/22	
Ethylbenzene	ND	0.0250	1	04/04/22	04/06/22	
Coluene	ND	0.0250	1	04/04/22	04/06/22	
p-Xylene	ND	0.0250	1	04/04/22	04/06/22	
o,m-Xylene	ND	0.0500	1	04/04/22	04/06/22	
Total Xylenes	ND	0.0250	1	04/04/22	04/06/22	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: IY		yst: IY		Batch: 2215002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/22	04/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: AK		Batch: 2215019
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/22	04/05/22	
Surrogate: n-Nonane		104 %	50-200	04/05/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2215036
Chloride	66.1	20.0	1	04/06/22	04/07/22	



Sample Data

NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	4/8/2022 4:02:43PM

S-2 (2-2.5')

E204005-02						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: IY		Batch: 2215002
Benzene	ND	0.0250	1	04/04/22	04/06/22	
Ethylbenzene	ND	0.0250	1	04/04/22	04/06/22	
Toluene	ND	0.0250	1	04/04/22	04/06/22	
o-Xylene	ND	0.0250	1	04/04/22	04/06/22	
p,m-Xylene	ND	0.0500	1	04/04/22	04/06/22	
Total Xylenes	ND	0.0250	1	04/04/22	04/06/22	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: IY		Batch: 2215002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/22	04/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AK		Batch: 2215019
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/22	04/05/22	
Surrogate: n-Nonane		102 %	50-200	04/05/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2215036
Chloride	310	20.0	1	04/06/22	04/07/22	



NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	4/8/2022 4:02:43PM

S-3 (1-1.5')

		E204005-03				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2215002
Benzene	ND	0.0250	1	04/04/22	04/06/22	
Ethylbenzene	ND	0.0250	1	04/04/22	04/06/22	
Toluene	ND	0.0250	1	04/04/22	04/06/22	
o-Xylene	ND	0.0250	1	04/04/22	04/06/22	
p,m-Xylene	ND	0.0500	1	04/04/22	04/06/22	
Total Xylenes	ND	0.0250	1	04/04/22	04/06/22	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2215002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/22	04/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: AK		Batch: 2215019
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/22	04/05/22	
Surrogate: n-Nonane		103 %	50-200	04/05/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2215036
Chloride	271	20.0	1	04/06/22	04/07/22	



NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	4/8/2022 4:02:43PM

S-4 (2-2.5')

E204005-04						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2215002
Benzene	ND	0.0250	1	04/04/22	04/06/22	
Ethylbenzene	ND	0.0250	1	04/04/22	04/06/22	
Toluene	ND	0.0250	1	04/04/22	04/06/22	
o-Xylene	ND	0.0250	1	04/04/22	04/06/22	
p,m-Xylene	ND	0.0500	1	04/04/22	04/06/22	
Total Xylenes	ND	0.0250	1	04/04/22	04/06/22	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2215002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/22	04/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AK		Batch: 2215019
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/22	04/05/22	
Surrogate: n-Nonane		101 %	50-200	04/05/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2215036
Chloride	680	20.0	1	04/06/22	04/07/22	



NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	4/8/2022 4:02:43PM

S-5 (1-1.5')

E204005-05

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2215002
Benzene	ND	0.0250	1	04/04/22	04/06/22	
Ethylbenzene	ND	0.0250	1	04/04/22	04/06/22	
Toluene	ND	0.0250	1	04/04/22	04/06/22	
o-Xylene	ND	0.0250	1	04/04/22	04/06/22	
p,m-Xylene	ND	0.0500	1	04/04/22	04/06/22	
Total Xylenes	ND	0.0250	1	04/04/22	04/06/22	
Surrogate: 4-Bromochlorobenzene-PID		93.1 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2215002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/22	04/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: AK		Batch: 2215019
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/22	04/05/22	
Surrogate: n-Nonane		103 %	50-200	04/05/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2215036
Chloride	60.9	20.0	1	04/06/22	04/07/22	_



NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	4/8/2022 4:02:43PM

H-1

E204005-06

		D 4				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		lyst: IY		Batch: 2215002
Benzene	ND	0.0250	1	04/04/22	04/06/22	
Ethylbenzene	ND	0.0250	1	04/04/22	04/06/22	
Toluene	ND	0.0250	1	04/04/22	04/06/22	
o-Xylene	ND	0.0250	1	04/04/22	04/06/22	
p,m-Xylene	ND	0.0500	1	04/04/22	04/06/22	
Total Xylenes	ND	0.0250	1	04/04/22	04/06/22	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2215002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/22	04/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AK		Batch: 2215019
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/22	04/05/22	
Surrogate: n-Nonane		100 %	50-200	04/05/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2215036
Chloride	52.6	20.0	1	04/06/22	04/07/22	



NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	4/8/2022 4:02:43PM

H-2

		E204005-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2215002
Benzene	ND	0.0250	1	04/04/22	04/06/22	
Ethylbenzene	ND	0.0250	1	04/04/22	04/06/22	
Toluene	ND	0.0250	1	04/04/22	04/06/22	
o-Xylene	ND	0.0250	1	04/04/22	04/06/22	
p,m-Xylene	ND	0.0500	1	04/04/22	04/06/22	
Total Xylenes	ND	0.0250	1	04/04/22	04/06/22	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2215002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/22	04/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AK		Batch: 2215019
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/22	04/05/22	
Surrogate: n-Nonane		100 %	50-200	04/05/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2215036
Chloride	64.7	20.0	1	04/06/22	04/07/22	



NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	4/8/2022 4:02:43PM

H-3

E204005-08

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Mayte		Limit		•	rmaryzed	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2215002
Benzene	ND	0.0250	1	04/04/22	04/06/22	
Ethylbenzene	ND	0.0250	1	04/04/22	04/06/22	
Toluene	ND	0.0250	1	04/04/22	04/06/22	
o-Xylene	ND	0.0250	1	04/04/22	04/06/22	
p,m-Xylene	ND	0.0500	1	04/04/22	04/06/22	
Total Xylenes	ND	0.0250	1	04/04/22	04/06/22	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2215002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/22	04/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AK		Batch: 2215019
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/22	04/05/22	
Surrogate: n-Nonane		102 %	50-200	04/05/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2215036
· · · · · · · · · · · · · · · · · · ·	61.3			04/06/22	04/07/22	



NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	4/8/2022 4:02:43PM

H-4

E204005-09

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2215002
Benzene	ND	0.0250	1	04/04/22	04/06/22	
Ethylbenzene	ND	0.0250	1	04/04/22	04/06/22	
Toluene	ND	0.0250	1	04/04/22	04/06/22	
o-Xylene	ND	0.0250	1	04/04/22	04/06/22	
p,m-Xylene	ND	0.0500	1	04/04/22	04/06/22	
Total Xylenes	ND	0.0250	1	04/04/22	04/06/22	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2215002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/04/22	04/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	04/04/22	04/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AK		Batch: 2215019
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/22	04/05/22	
Surrogate: n-Nonane		100 %	50-200	04/05/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2215036



		QC 5	инни	ary Data					
NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060		Project Name: Project Number: Project Manager:	C	Spica 25 Fed 1H 01058-0007 Ethan Sessums					Reported: 4/8/2022 4:02:43PM
		Volatile O	rganics	by EPA 8021	B				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 (2215002-BLK1)							Prepared: 0	4/04/22 A	nalyzed: 04/06/22
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	7.30	0.0230	8.00		91.2	70-130			
LCS (2215002-BS1)							Prepared: 0	4/04/22 A	nalyzed: 04/06/22
Benzene	4.97	0.0250	5.00		99.4	70-130			
Ethylbenzene	5.11	0.0250	5.00		102	70-130			
Foluene	5.36	0.0250	5.00		107	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.42	***************************************	8.00		92.7	70-130			
Matrix Spike (2215002-MS1)				Source: I	E 204009 -	01	Prepared: 0	4/04/22 A	nalyzed: 04/06/22
Benzene	5.16	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.32	0.0250	5.00	ND	106	61-133			
Toluene	5.57	0.0250	5.00	ND	111	61-130			
p-Xylene	5.24	0.0250	5.00	ND	105	63-131			
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131			
Total Xylenes	16.0	0.0250	15.0	ND	107	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.48		8.00		93.5	70-130			
Matrix Spike Dup (2215002-MSD1)				Source: I	E 204009 -	01	Prepared: 0	4/04/22 A	nalyzed: 04/06/22
Benzene	4.90	0.0250	5.00	ND	98.1	54-133	5.20	20	
Ethylbenzene	5.02	0.0250	5.00	ND	100	61-133	5.80	20	
Toluene	5.27	0.0250	5.00	ND	105	61-130	5.58	20	
o-Xylene	4.97	0.0250	5.00	ND	99.4	63-131	5.33	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	5.33	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	5.33	20	
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.4	70-130			
	,,								



NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H	Reported:
911 Regional Park Dr.	Project Number:	01058-0007	·
Houston TX, 77060	Project Manager:	Ethan Sessums	4/8/2022 4:02:43PM

Houston TX, 77060		Project Manage	r: Et	han Sessums					4/8/2022 4:02:43PM
	Nor	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2215002-BLK1)							Prepared: 0-	4/04/22 A1	nalyzed: 04/06/22
Gasoline Range Organics (C6-C10)	ND	20.0							•
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			
LCS (2215002-BS2)							Prepared: 0	4/04/22 Aı	nalyzed: 04/06/22
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			
Matrix Spike (2215002-MS2)				Source:	E204009-	01	Prepared: 0-	4/04/22 Aı	nalyzed: 04/06/22
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			
Matrix Spike Dup (2215002-MSD2)				Source:	E204009-	01	Prepared: 0	4/04/22 A1	nalyzed: 04/06/22
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.5	70-130	0.174	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.8	70-130			



NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H	Reported:
911 Regional Park Dr.	Project Number:	01058-0007	•
Houston TX, 77060	Project Manager:	Ethan Sessums	4/8/2022 4:02:43PM

Houston TX, 77060		Project Manage	r: Et	han Sessums				4	/8/2022 4:02:43PM
	Nonha	logenated Or	ganics by	EPA 80151	D - DRO	/ORO			Analyst: AK
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2215019-BLK1)							Prepared: 0	4/05/22 Ana	llyzed: 04/05/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.8		50.0		102	50-200			
LCS (2215019-BS1)							Prepared: 0	4/05/22 Ana	lyzed: 04/05/22
Diesel Range Organics (C10-C28)	424	25.0	500		84.7	38-132			
Surrogate: n-Nonane	48.2		50.0		96.5	50-200			
Matrix Spike (2215019-MS1)				Source:	E204024-	01	Prepared: 0	4/05/22 Ana	lyzed: 04/05/22
Diesel Range Organics (C10-C28)	450	25.0	500	ND	90.0	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			
Matrix Spike Dup (2215019-MSD1)				Source:	E204024-	01	Prepared: 0	4/05/22 Ana	lyzed: 04/05/22
Diesel Range Organics (C10-C28)	444	25.0	500	ND	88.7	38-132	1.49	20	
Surrogate: n-Nonane	49.9		50.0		99.9	50-200			



NTG-New Tech Global Environmental		Project Name: Project Number:		pica 25 Fed 1H 1058-0007					Reported:
911 Regional Park Dr. Houston TX, 77060		Project Number: Project Manager:		than Sessums					4/8/2022 4:02:43PM
		Anions	by EPA 3	300.0/9056A	<u>.</u>				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2215036-BLK1)							Prepared: 0	4/06/22 A	analyzed: 04/07/22
Chloride	ND	20.0							
LCS (2215036-BS1)							Prepared: 0	4/06/22 A	analyzed: 04/07/22
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2215036-MS1)				Source: 1	E 204004- 0)1	Prepared: 0	4/06/22 A	analyzed: 04/07/22
Chloride	492	20.0	250	236	102	80-120			
Matrix Spike Dup (2215036-MSD1)				Source: 1	E 204004- 0)1	Prepared: 0	4/06/22 A	analyzed: 04/07/22
Chloride	495	20.0	250	236	103	80-120	0.561	20	

QC Summary Report Comment:

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



Definitions and Notes

	NTG-New Tech Global Environmental	Project Name:	Spica 25 Fed 1H	
١	911 Regional Park Dr.	Project Number:	01058-0007	Reported:
	Houston TX, 77060	Project Manager:	Ethan Sessums	04/08/22 16:02

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.



Received by OCD: 5/22/2023 3:13:35 PM

Chain of Custody



Work Order No: <u>E204005</u> #01058-0007

	1	8000 0 00000 0 0 0 0 0 0 0 0 0 0 0 0 0	2			myasas(72 - 1			_1 of1				
Project Manager:	Ethan S					Bill to: (if			Wesley Mathews							Work Order Comments										
Company Name:	NTG En					Company Name: Devon Energy						Program: UST/PST PRP Brownfields RRC upperfund														
Address:	402 E W	Vood Av	re			Address:			6488	Seven	Rivers	Highwa	ау			State of Project: Reporting:Level II Level III ST/UST RRP Level IV										
City, State ZIP:	Carlsba	d, NM 8	8220			City, Stat	e ZIP:		Artes	ia, NM	88210							2000 PG PH 2010 PC			Description (The Control of the Con	P Level IV L				
Phone:	254-266	5-5456			Email: Wesley.Mathews				om							Deliverables: EDD ADaPT Other:										
Project Name:		Spica	25 Fed 1H		Turr	Around							AN	NALYSI	SRE	EQUEST					Preservative Codes					
Project Number:			225486		✓ Routine	Rush	1	Pres. Code	=0						14						None: NO	DI Water: H₂O				
Project Location		Edd	dy Co. NM		Due Date:						100										Cool: Cool	MeOH: Me				
Sampler's Name:		Etha	n Sessums		TAT starts the	day receive	ed by the			+ MRO)											HCL: HC	HNO ₃ : HN				
PO #:		2	21015881		lab, if rece	eived by 4:3	0pm	2		+											H ₂ S0 ₄ : H ₂	NaOH: Na				
SAMPLE RECE	IPT	Tem	p Blank:	Yes No	Wet Ice:	Yes	No	Parameters	<u>ω</u>	+ DRO	200									H₃PO₄: HP	₃PO₄: HP					
Received Intact:		Ye	s No	Thermom	eter ID:			ıran	BTEX 8021B	+	Chloride 4500									ногр	NaHSO₄: NAE	BIS				
Cooler Custody Sea	ıls:	Yes	No N/A	Correction	Factor:			P.	TEX	TPH 8015M (GRO	loric									오	Na ₂ S ₂ O ₃ : NaS	SO ₃				
Sample Custody Se	als:			ure Reading:				m	2W	5										Zn Acetate+N	aOH: Zn					
Total Containers:			9 Corre		Temperature:			3 :		emperature:				801											NaOH+Ascort	oic Acid: SAPC
Sample Ide	mple Identification Date Time Soil Water		# of Cont		ТРН											Sample	Comments									
S-1 (1	-1.5')		3/30/2022		х		Comp	1	×	×	х											118				
S-2 (2	-2.5')		3/30/2022		х		Comp	1	х	x	х															
S-3 (1	-1.5')		3/30/2022		х		Comp	1	×	×	х											1635				
S-4 (2	-2.5')		3/30/2022		Х		Comp	1	х	x	х											1970				
S-5 (1	-1.5')		3/30/2022	, A	х		Comp	1	×	×	х											-				
H-	1		3/30/2022		х		Comp	1	x	x	х											and the				
H-	2		3/30/2022		х		Comp	1	х	х	х															
H-	3		3/30/2022	1	х		Comp	1	×	x	x															
H-	4		3/30/2022		х		Comp	1	х	х	х															
	3							JAN ET			4 -															
Additi	ional Cor	mments	s:		Ä.		3.																			
Notice: Signature of this of service. Xenco will b of Xenco. A minimum o	e liable only	for the co	st of samples an	d shall not as	sume any respon	sibility for a	ny losses d	r expense:	s incurr	ed by th	ne client	f such lo	sses are	due to cir	cumsta	nces beyo	nd the co									
Relinquished b	y: (Signa	ture)	11/	Receive	d by ₇ (Signati	ure)			Date/	Time ,	11:11	Reli	nquish	ed by: (Signa	ture)	F	Received	by: (Si	gnatu	re)	Date/Time				
· Phin			17	100	UNIL	_	A	3	13/1	20	7	2 3	13	1/2	2	1										
3 / R/B/	2011	1	177	, ,,,,,,	J.			1	4			4	1	100												
5	0	/	Cari	1	Ch-	te.		4/1/2	2	13	00	6										1174				
			- Cur					P	age	19 of	20										Revise	d Date 05012020 Rev. 2020.				

Printed: 4/1/2022 2:49:51PM

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:	04/01/22 13	:00		Work Order ID:	E204005
Phone:	(281) 872-9300	Date Logged In:	04/01/22 14	:12		Logged In By:	Caitlin Christian
Email:		Due Date:	04/07/22 17	7:00 (4 day TAT)			
	Custody (COC)						
	he sample ID match the COC?	h sha COC	Yes				
	he number of samples per sampling site location mate	n the COC	Yes				
	amples dropped off by client or carrier?	od omolycood	Yes No	Carrier: <u>C</u>	<u>Carrier</u>		
	e COC complete, i.e., signatures, dates/times, request	ed 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. 				_		Comment	s/Resolution
	Furn Around Time (TAT) c COC indicate standard TAT, or Expedited TAT?		Yes		Sample time	es not provi	ded on COC.
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, i Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample t	received w/i 15	Yes				
Sample (<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	a trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample contained	ers collected?	Yes				
Field La							
	field sample labels filled out with the minimum infor	mation:					
	ample ID? Date/Time Collected?		Yes				
	Collectors name?		No No				
	Preservation		NO				
	the COC or field labels indicate the samples were pre	served?	No				
	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved me	etals?	No				
Multipha	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase	e?	No				
	, does the COC specify which phase(s) is to be analyz		NA				
			1411				
	ract Laboratory amples required to get sent to a subcontract laboratory	.9	No				
	amples required to get sent to a subcontract laboratory specified by the client and if:			Subcontract Lab	v. no		
		so who:	11/11	Subcontract Lab	. на		
Client I	<u>nstruction</u>						

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: 880-15143-1

Laboratory Sample Delivery Group: Eddy County, New Mexico

Client Project/Site: Spica 25 Fed 1 (Spill #1)

For:

NT Global 701 Tradewinds Blvd Midland, Texas 79706

Attn: Ethan Sessums

MAMER

Authorized for release by: 6/1/2022 2:58:12 PM

Jessica Kramer, Project Manager

(432)704-5440

Jessica.Kramer@et.eurofinsus.com

Review your project results through

Have a Question?

EOL



www.eurofinsus.com/Env

Visit us at:

Released to Imaging: 10/13/2023 2:42:51 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

5

6

0

10

4.0

13

Н

Client: NT Global Project/Site: Spica 25 Fed 1 (Spill #1) Laboratory Job ID: 880-15143-1 SDG: Eddy County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	26
QC Sample Results	29
QC Association Summary	41
Lab Chronicle	49
Certification Summary	58
Method Summary	59
Sample Summary	60
Chain of Custody	61
Receint Checklists	64

2

3

4

6

8

10

1 2

13

14

Definitions/Glossary

Client: NT Global Job ID: 880-15143-1 Project/Site: Spica 25 Fed 1 (Spill #1)

SDG: Eddy County, New Mexico

Qualifiers

GC VOA Qualifier

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

GC Semi VOA

F2 MS/MSD RPD exceeds control limits

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description	n
-----------	-----------------------	---

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid

CFU Colony Forming Unit **CNF** Contains No Free Liquid DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

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)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Eurofins Midland

Case Narrative

Client: NT Global

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Job ID: 880-15143-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-15143-1

Receipt

The samples were received on 5/25/2022 5:05 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 1.0°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-4 (1') (880-15143-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-3 (880-15143-18). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The method blank for preparation batch 880-26347 and analytical batch 880-26367 contained AffectedAnalytes above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-26236 and analytical batch 880-26212 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

HPLC/IC

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

Client: NT Global

Job ID: 880-15143-1 Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1')

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

Lab Sample ID: 880-15143-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/25/22 17:05	05/25/22 23:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/25/22 17:05	05/25/22 23:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/25/22 17:05	05/25/22 23:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/25/22 17:05	05/25/22 23:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/25/22 17:05	05/25/22 23:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/25/22 17:05	05/25/22 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				05/25/22 17:05	05/25/22 23:53	1
1,4-Difluorobenzene (Surr)	95		70 - 130				05/25/22 17:05	05/25/22 23:53	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			05/26/22 10:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/26/22 09:12	1

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

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/K	 g	05/25/22 13:31	05/25/22 22:01	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/K	g	05/25/22 13:31	05/25/22 22:01	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/K	g	05/25/22 13:31	05/25/22 22:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	05/25/22 13:31	05/25/22 22:01	1
o-Terphenyl	115		70 - 130	05/25/22 13:31	05/25/22 22:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.2	4.99	mg/Kg			05/29/22 00:08	1

Client Sample ID: CS-2 (1')

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

1,4-Difluorobenzene (Surr)

Lab Sample ID: 880-15143-2

05/26/22 00:14

05/25/22 17:05

Matrix: Solid

Welliou. 602 1B - Volalile Organ	ic compounds ((GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/25/22 17:05	05/26/22 00:14	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/25/22 17:05	05/26/22 00:14	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/25/22 17:05	05/26/22 00:14	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/25/22 17:05	05/26/22 00:14	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/25/22 17:05	05/26/22 00:14	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/25/22 17:05	05/26/22 00:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/25/22 17:05	05/26/22 00:14	1

Eurofins Midland

70 - 130

Client: NT Global

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (1')

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05 Lab Sample ID: 880-15143-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/26/22 10:14	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			05/26/22 09:12	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		05/25/22 13:31	05/25/22 23:05	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		05/25/22 13:31	05/25/22 23:05	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/25/22 13:31	05/25/22 23:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				05/25/22 13:31	05/25/22 23:05	1
o-Terphenyl	95		70 - 130				05/25/22 13:31	05/25/22 23:05	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.1		5.00		mg/Kg			05/29/22 00:32	1

Client Sample ID: CS-3 (1') Lab Sample ID: 880-15143-3 Date Collected: 05/24/22 00:00 **Matrix: Solid**

Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		05/25/22 17:05	05/26/22 00:35	
Toluene	< 0.00199	U	0.00199		mg/Kg		05/25/22 17:05	05/26/22 00:35	•
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		05/25/22 17:05	05/26/22 00:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/25/22 17:05	05/26/22 00:35	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		05/25/22 17:05	05/26/22 00:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/25/22 17:05	05/26/22 00:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				05/25/22 17:05	05/26/22 00:35	1
		0.117	70 - 130	MD			05/25/22 17:05	05/26/22 00:35	
Method: Total BTEX - Total BTI	EX Calculation	Qualifier	70 ₋ 130	MDL	Unit	D	05/25/22 17:05 Prepared	05/26/22 00:35 Analyzed	
1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BTE Analyte Total BTEX	EX Calculation			MDL	Unit mg/Kg	<u>D</u>			
Method: Total BTEX - Total BTE Analyte Total BTEX	EX Calculation Result <0.00398	U	RL	MDL		<u>D</u>		Analyzed	
Method: Total BTEX - Total BTE Analyte Total BTEX Method: 8015 NM - Diesel Rang	EX Calculation Result < 0.00398 ge Organics (DR)	U	RL			<u>D</u>		Analyzed	Dil Fac
Method: Total BTEX - Total BTI Analyte	EX Calculation Result < 0.00398 ge Organics (DR)	O) (GC) Qualifier	RL		mg/Kg	=	Prepared	Analyzed 05/26/22 10:14	Dil Fac
Method: Total BTEX - Total BTE Analyte Total BTEX Method: 8015 NM - Diesel Rang Analyte Total TPH	EX Calculation Result <0.00398 ge Organics (DRO Result <49.9	O) (GC) Qualifier			mg/Kg	=	Prepared	Analyzed 05/26/22 10:14 Analyzed	Dil Fac
Method: Total BTEX - Total BTE Analyte Total BTEX Method: 8015 NM - Diesel Rang Analyte Total TPH Method: 8015B NM - Diesel Rang	EX Calculation Result <0.00398 ge Organics (DR) Result <49.9 nge Organics (D	O) (GC) Qualifier		MDL	mg/Kg	=	Prepared	Analyzed 05/26/22 10:14 Analyzed	Dil Fac
Method: Total BTEX - Total BTE Analyte Total BTEX Method: 8015 NM - Diesel Rang Analyte	EX Calculation Result <0.00398 ge Organics (DR) Result <49.9 nge Organics (D	O) (GC) Qualifier U RO) (GC) Qualifier	RL 0.00398 RL 49.9	MDL	mg/Kg Unit mg/Kg		Prepared Prepared	Analyzed 05/26/22 10:14 Analyzed 05/26/22 09:12	Dil Fac

Eurofins Midland

Client: NT Global Job ID: 880-15143-1 Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (1')

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

Lab Sample ID: 880-15143-3

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		05/25/22 13:31	05/25/22 23:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130			05/25/22 13:31	05/25/22 23:26	1
o-Terphenyl	98		70 ₋ 130			05/25/22 13:31	05/25/22 23:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble RL MDL Dil Fac Analyte Result Qualifier Unit D Prepared Analyzed 5.04 05/29/22 00:39 115 Chloride mg/Kg

Client Sample ID: CS-4 (1')

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

1,4-Difluorobenzene (Surr)

Lab Sample ID: 880-15143-4

05/26/22 00:55

05/25/22 17:05

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 05/25/22 17:05 05/26/22 00:55 mg/Kg Toluene <0.00200 U 0.00200 05/25/22 17:05 05/26/22 00:55 mg/Kg Ethylbenzene <0.00200 U 0.00200 05/25/22 17:05 05/26/22 00:55 mg/Kg 05/25/22 17:05 05/26/22 00:55 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 05/25/22 17:05 05/26/22 00:55 Xylenes, Total <0.00400 U 0.00400 mg/Kg 05/25/22 17:05 05/26/22 00:55 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 05/25/22 17:05 4-Bromofluorobenzene (Surr) 134 S1+ 05/26/22 00:55

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 05/26/22 10:14

70 - 130

93

Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Dil Fac RL Unit D Prepared Analyzed Total TPH <50.0 Ū 50.0 05/26/22 09:12 mg/Kg

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac <50.0 U 50.0 05/25/22 13:31 05/25/22 23:46 Gasoline Range Organics mg/Kg (GRO)-C6-C10 50.0 05/25/22 13:31 05/25/22 23:46 Diesel Range Organics (Over <50.0 U mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 05/25/22 13:31 05/25/22 23:46 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 88 70 - 130 05/25/22 13:31 05/25/22 23:46 05/25/22 13:31 o-Terphenyl 100 70 - 130 05/25/22 23:46

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Dil Fac RL Unit Prepared Analyzed Chloride 172 4.98 05/29/22 00:47 mg/Kg

Eurofins Midland

Job ID: 880-15143-1

Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (1') Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

Lab Sample ID: 880-15143-5

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/25/22 17:05	05/26/22 01:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/25/22 17:05	05/26/22 01:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/25/22 17:05	05/26/22 01:16	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/25/22 17:05	05/26/22 01:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/25/22 17:05	05/26/22 01:16	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/25/22 17:05	05/26/22 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				05/25/22 17:05	05/26/22 01:16	1
1,4-Difluorobenzene (Surr)	100		70 - 130				05/25/22 17:05	05/26/22 01:16	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			05/26/22 10:14	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			05/26/22 09:12	1
Method: 8015B NM - Diesel Rang	ge 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		05/25/22 13:31	05/26/22 00:07	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		05/25/22 13:31	05/26/22 00:07	1
C10-C28)	.40.0		40.0		11.6		05/05/00 40 04	05/00/00 00 07	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/25/22 13:31	05/26/22 00:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				05/25/22 13:31	05/26/22 00:07	1

Client Sample ID: CS-6 (1') Lab Sample ID: 880-15143-6 Date Collected: 05/24/22 00:00 **Matrix: Solid**

RL

4.96

MDL Unit

mg/Kg

D

Prepared

Analyzed

05/29/22 00:55

Dil Fac

Result Qualifier

33.4

Date Received: 05/25/22 17:05

Analyte

Chloride

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/25/22 17:05	05/26/22 01:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/25/22 17:05	05/26/22 01:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/25/22 17:05	05/26/22 01:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/25/22 17:05	05/26/22 01:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/25/22 17:05	05/26/22 01:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/25/22 17:05	05/26/22 01:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				05/25/22 17:05	05/26/22 01:36	1
1,4-Difluorobenzene (Surr)	96		70 - 130				05/25/22 17:05	05/26/22 01:36	1

Project/Site: Spica 25 Fed 1 (Spill #1)

Client Sample ID: CS-6 (1')

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-15143-6

Matrix: Solid

Date Collected: 05/24/22 00:00
Date Received: 05/25/22 17:05
_

Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/26/22 10:14	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			05/26/22 09:12	1
- Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		05/25/22 13:31	05/26/22 00:27	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		05/25/22 13:31	05/26/22 00:27	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/25/22 13:31	05/26/22 00:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				05/25/22 13:31	05/26/22 00:27	1
o-Terphenyl	117		70 - 130				05/25/22 13:31	05/26/22 00:27	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.3		5.00		mg/Kg			05/29/22 01:19	

Client Sample ID: CS-7 (1') Lab Sample ID: 880-15143-7 Date Collected: 05/24/22 00:00 **Matrix: Solid**

Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/25/22 17:05	05/26/22 01:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/25/22 17:05	05/26/22 01:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/25/22 17:05	05/26/22 01:57	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/25/22 17:05	05/26/22 01:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/25/22 17:05	05/26/22 01:57	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/25/22 17:05	05/26/22 01:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				05/25/22 17:05	05/26/22 01:57	1
1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT	97 EX Calculation		70 - 130				05/25/22 17:05	05/26/22 01:57	1
-	EX Calculation	Qualifier	70 - 130 RL 0.00396	MDL	Unit mg/Kg	<u>D</u>	05/25/22 17:05 Prepared	05/26/22 01:57 Analyzed 05/26/22 10:14	Dil Fac
Method: Total BTEX - Total BT	EX Calculation Result < 0.00396 ge Organics (DR)	U	RL			<u>D</u>		Analyzed	Dil Fac
Method: Total BTEX - Total BTI Analyte Total BTEX Method: 8015 NM - Diesel Rang	EX Calculation Result < 0.00396 ge Organics (DR)	U O) (GC) Qualifier	RL		mg/Kg		Prepared	Analyzed 05/26/22 10:14	Dil Fac
Method: Total BTEX - Total BTEA Analyte Total BTEX Method: 8015 NM - Diesel Rang Analyte	EX Calculation Result <0.00396 ge Organics (DRO Result <50.0	O) (GC) Qualifier U	RL		mg/Kg		Prepared	Analyzed 05/26/22 10:14 Analyzed	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 <0.00396 ge Organics (DR) Result <50.0 nge Organics (D	O) (GC) Qualifier U	RL	MDL	mg/Kg		Prepared	Analyzed 05/26/22 10:14 Analyzed	Dil Fac Dil Fac
Method: Total BTEX - Total BTEA Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH	EX Calculation Result <0.00396 ge Organics (DR) Result <50.0 nge Organics (D	O) (GC) Qualifier U RO) (GC) Qualifier	RL 0.00396 RL 50.0	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 05/26/22 10:14 Analyzed 05/26/22 09:12	Dil Fac

Client: NT Global Job ID: 880-15143-1 Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (1')

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

Lab Sample ID: 880-15143-7

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		05/25/22 13:31	05/26/22 00:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				05/25/22 13:31	05/26/22 00:48	1
o-Terphenyl	96		70 ₋ 130				05/25/22 13:31	05/26/22 00:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble RL MDL Dil Fac Analyte Result Qualifier Unit D Prepared Analyzed 4.98 05/29/22 01:27 314 Chloride mg/Kg

Client Sample ID: CS-8 (1')

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

1,4-Difluorobenzene (Surr)

Lab Sample ID: 880-15143-8

05/26/22 02:18

05/26/22 06:48

05/25/22 17:05

05/25/22 13:31

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 05/25/22 17:05 05/26/22 02:18 mg/Kg Toluene <0.00200 U 0.00200 05/25/22 17:05 05/26/22 02:18 mg/Kg Ethylbenzene <0.00200 U 0.00200 05/25/22 17:05 05/26/22 02:18 mg/Kg 05/25/22 17:05 05/26/22 02:18 m-Xylene & p-Xylene <0.00401 0.00401 mg/Kg o-Xylene 0.00595 0.00200 mg/Kg 05/25/22 17:05 05/26/22 02:18 0.00595 0.00401 mg/Kg 05/25/22 17:05 05/26/22 02:18 **Xylenes, Total** %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 4-Bromofluorobenzene (Surr) 98 70 - 130 05/25/22 17:05 05/26/22 02:18

Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed **Total BTEX** 0.00595 0.00401 mg/Kg 05/26/22 10:14

70 - 130

97

97

Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Dil Fac RL Unit D Prepared Analyzed Total TPH <50.0 Ū 50.0 05/26/22 09:12 mg/Kg

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 05/25/22 13:31 05/26/22 06:48 mg/Kg (GRO)-C6-C10 50.0 05/25/22 13:31 05/26/22 06:48 Diesel Range Organics (Over <50.0 U mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 05/25/22 13:31 05/26/22 06:48 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 85 70 - 130 05/25/22 13:31 05/26/22 06:48

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Dil Fac RL Unit Prepared Analyzed Chloride 181 5.00 05/29/22 01:35 mg/Kg

70 - 130

Eurofins Midland

o-Terphenyl

Project/Site: Spica 25 Fed 1 (Spill #1)

Client Sample ID: CS-9 (1')

Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-15143-9

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/25/22 17:05	05/26/22 02:38	1
Toluene	< 0.00199	U	0.00199		mg/Kg		05/25/22 17:05	05/26/22 02:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/25/22 17:05	05/26/22 02:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/25/22 17:05	05/26/22 02:38	1
o-Xylene	0.00717		0.00199		mg/Kg		05/25/22 17:05	05/26/22 02:38	1
Xylenes, Total	0.00717		0.00398		mg/Kg		05/25/22 17:05	05/26/22 02:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				05/25/22 17:05	05/26/22 02:38	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/25/22 17:05	05/26/22 02:38	1
Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00717		0.00398		mg/Kg			05/26/22 10:14	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			05/26/22 09:12	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte		_		MDI	Unit	D	Prepared	Analyzed	D0 F
Allalyte	Result	Qualifier	RL	MDL	OTHE		Frepareu	Allalyzeu	DII Fac
	Result < 50.0			MDL	mg/Kg	_ <u>-</u>	05/25/22 13:31	05/25/22 20:57	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	MDL	mg/Kg		05/25/22 13:31	05/25/22 20:57	
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		U		MDL		=	<u> </u>		1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 <50.0	U	50.0	MDL	mg/Kg	=	05/25/22 13:31 05/25/22 13:31	05/25/22 20:57 05/25/22 20:57	1
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	MDL	mg/Kg	_ = =	05/25/22 13:31	05/25/22 20:57	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 <50.0	U U	50.0	MDL	mg/Kg	_ = =	05/25/22 13:31 05/25/22 13:31	05/25/22 20:57 05/25/22 20:57	1 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0 <50.0 <50.0	U U	50.0 50.0 50.0	MDL	mg/Kg	=	05/25/22 13:31 05/25/22 13:31 05/25/22 13:31	05/25/22 20:57 05/25/22 20:57 05/25/22 20:57	

Client Sample ID: CS-10 (3.5') Lab Sample ID: 880-15143-10 Date Collected: 05/24/22 00:00 **Matrix: Solid**

RL

5.03

MDL Unit

mg/Kg

D

Prepared

Analyzed

05/29/22 01:43

Dil Fac

Result Qualifier

55.4

Date Received: 05/25/22 17:05

Analyte

Chloride

Method: 300.0 - Anions, Ion Chromatography - Soluble

Method: 8021B - Volatile Orga	nic Compounds	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/25/22 17:05	05/26/22 02:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/25/22 17:05	05/26/22 02:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/25/22 17:05	05/26/22 02:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/25/22 17:05	05/26/22 02:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/25/22 17:05	05/26/22 02:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/25/22 17:05	05/26/22 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				05/25/22 17:05	05/26/22 02:59	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/25/22 17:05	05/26/22 02:59	1

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-15143-10

Matrix: Solid

Client Sample ID: CS-10 (3.5') Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/26/22 10:14	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			05/26/22 09:12	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		05/25/22 13:31	05/25/22 21:19	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		05/25/22 13:31	05/25/22 21:19	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/25/22 13:31	05/25/22 21:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				05/25/22 13:31	05/25/22 21:19	1
o-Terphenyl	119		70 - 130				05/25/22 13:31	05/25/22 21:19	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.3		5.01		mg/Kg			05/29/22 01:50	

Client Sample ID: CS-11 (3.5') Lab Sample ID: 880-15143-11

Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/26/22 11:13	05/26/22 16:31	
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/22 11:13	05/26/22 16:31	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/22 11:13	05/26/22 16:31	,
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/26/22 11:13	05/26/22 16:31	
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/22 11:13	05/26/22 16:31	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/22 11:13	05/26/22 16:31	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	96		70 - 130				05/26/22 11:13	05/26/22 16:31	
1,4-Difluorobenzene (Surr) : Method: Total BTEX - Total BT			70 - 130				05/26/22 11:13	05/26/22 16:31	
Method: Total BTEX - Total BT Analyte	EX Calculation	Qualifier U	70 - 130 RL 0.00402	MDL	Unit mg/Kg	<u>D</u>	05/26/22 11:13 Prepared	05/26/22 16:31 Analyzed 05/26/22 10:14	Dil Fa
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran	EX Calculation Result <0.00402 ge Organics (DR	U (GC)	RL		mg/Kg	=	Prepared	Analyzed 05/26/22 10:14	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte	EX Calculation Result <0.00402 ge Organics (DRG Result	O) (GC) Qualifier			mg/Kg	<u>D</u>		Analyzed 05/26/22 10:14 Analyzed	Dil Fac
	EX Calculation Result <0.00402 ge Organics (DR	O) (GC) Qualifier	RL		mg/Kg	=	Prepared	Analyzed 05/26/22 10:14	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte	EX Calculation Result <0.00402 ge Organics (DRO Result <49.9	O) (GC) Qualifier			mg/Kg	=	Prepared	Analyzed 05/26/22 10:14 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte Total TPH	EX Calculation Result <0.00402 ge Organics (DR) Result <49.9 inge Organics (D	O) (GC) Qualifier		MDL	mg/Kg	=	Prepared	Analyzed 05/26/22 10:14 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ra	EX Calculation Result <0.00402 ge Organics (DR) Result <49.9 inge Organics (D	O) (GC) Qualifier U RO) (GC) Qualifier	RL 0.00402 RL 49.9	MDL	mg/Kg Unit mg/Kg		Prepared Prepared	Analyzed 05/26/22 10:14 Analyzed 05/26/22 09:12	Dil Fa

Eurofins Midland

Matrix: Solid

Job ID: 880-15143-1

Client: NT Global Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (3.5')

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05 Lab Sample ID: 880-15143-11

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		05/25/22 13:31	05/25/22 21:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130			05/25/22 13:31	05/25/22 21:40	1
o-Terphenvl	99		70 - 130			05/25/22 13:31	05/25/22 21:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 276 4.97 05/29/22 01:58 mg/Kg

Client Sample ID: CS-12 (3.5')

Date Collected: 05/24/22 00:00

Lab Sample ID: 880-15143-12

Matrix: Solid

Method: 8021B - Volatile Organic		•	ъ.			_			B.: E
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		05/26/22 11:13	05/26/22 17:32	•
Toluene	0.00635		0.00202		mg/Kg		05/26/22 11:13	05/26/22 17:32	1
Ethylbenzene	0.00268		0.00202		mg/Kg		05/26/22 11:13	05/26/22 17:32	1
m-Xylene & p-Xylene	0.0235		0.00403		mg/Kg		05/26/22 11:13	05/26/22 17:32	1
o-Xylene	0.00748		0.00202		mg/Kg		05/26/22 11:13	05/26/22 17:32	1
Xylenes, Total	0.0310		0.00403		mg/Kg		05/26/22 11:13	05/26/22 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130				05/26/22 11:13	05/26/22 17:32	1
1,4-Difluorobenzene (Surr)	129		70 - 130				05/26/22 11:13	05/26/22 17:32	1
Method: Total BTEX - Total BTEX	(Calculation								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0400		0.00403		mg/Kg			05/26/22 10:14	1
Method: 8015 NM - Diesel Range Analyte	•	O) (GC) Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/26/22 09:12	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/25/22 13:31	05/25/22 22:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/25/22 13:31	05/25/22 22:01	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/25/22 13:31	05/25/22 22:01	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	88		70 - 130				05/25/22 13:31	05/25/22 22:01	1
o-Terphenyl	94		70 - 130				05/25/22 13:31	05/25/22 22:01	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Job ID: 880-15143-1 Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

Client Sample ID: CS-13 (1') Lab Sample ID: 880-15143-13

Date Collected: 05/24/22 00:00 Matrix: Solid Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/22 11:13	05/26/22 17:53	
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/22 11:13	05/26/22 17:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/22 11:13	05/26/22 17:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/26/22 11:13	05/26/22 17:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/22 11:13	05/26/22 17:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/26/22 11:13	05/26/22 17:53	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				05/26/22 11:13	05/26/22 17:53	1
1,4-Difluorobenzene (Surr)	109		70 - 130				05/26/22 11:13	05/26/22 17:53	1
Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
- Method: 8015 NM - Diesel Range									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/26/22 09:12	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/26/22 09:34	05/26/22 12:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/22 09:34	05/26/22 12:21	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/22 09:34	05/26/22 12:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				05/26/22 09:34	05/26/22 12:21	1
o-Terphenyl	100		70 - 130				05/26/22 09:34	05/26/22 12:21	1
- Mathadi 200 O Aniana Jan Chu	omatography	Soluble							
Method: 300.0 - Anions, Ion Chro	omatograpny -	Oolubic							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: CS-14 (1') Lab Sample ID: 880-15143-14 **Matrix: Solid**

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 18:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 18:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 18:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/26/22 11:13	05/26/22 18:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 18:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/22 11:13	05/26/22 18:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				05/26/22 11:13	05/26/22 18:13	1
1,4-Difluorobenzene (Surr)	108		70 - 130				05/26/22 11:13	05/26/22 18:13	1

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-15143-14

Matrix: Solid

Client Sample ID: CS-14 (1')
Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/26/22 10:14	1
Method: 8015 NM - Diesel Ran	nge Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.7		49.9		mg/Kg			05/26/22 09:12	1
Method: 8015B NM - Diesel Ra	ange 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		05/25/22 10:00	05/25/22 15:51	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		05/25/22 10:00	05/25/22 15:51	1
C10-C28)									
Oll Range Organics (Over	51.7		49.9		mg/Kg		05/25/22 10:00	05/25/22 15:51	1
C28-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				05/25/22 10:00	05/25/22 15:51	1
o-Terphenyl	120		70 - 130				05/25/22 10:00	05/25/22 15:51	1
Method: 300.0 - Anions, Ion C	hromatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.0		5.02		mg/Kg			05/29/22 02:54	1

Client Sample ID: CS-15 (1')

Date Collected: 05/24/22 00:00

Lab Sample ID: 880-15143-15

Matrix: Solid

Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 18:34	1
Toluene	< 0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 18:34	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 18:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/26/22 11:13	05/26/22 18:34	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 18:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/22 11:13	05/26/22 18:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				05/26/22 11:13	05/26/22 18:34	1
1,4-Difluorobenzene (Surr)	107		70 - 130				05/26/22 11:13	05/26/22 18:34	1
-									
Mothod: Total DTEV Total D	TEV Coloulation								
		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: Total BTEX - Total BTA Analyte Total BTEX				MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/26/22 10:14	Dil Fac
Analyte Total BTEX	<0.00398	U		MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total BTEX Method: 8015 NM - Diesel Rar	Result <0.00398	U				<u>D</u>	Prepared Prepared		1
Analyte	Result <0.00398	O) (GC) Qualifier	0.00398		mg/Kg		<u> </u>	05/26/22 10:14	1
Analyte Total BTEX Method: 8015 NM - Diesel Rar Analyte Total TPH	Result <0.00398 nge Organics (DR) Result <50.0	U O) (GC) Qualifier U	0.00398		mg/Kg		<u> </u>	05/26/22 10:14 Analyzed	1
Analyte Total BTEX Method: 8015 NM - Diesel Rar Analyte	Result <0.00398 nge Organics (DR) Result <50.0 ange Organics (D	U O) (GC) Qualifier U	0.00398	MDL	mg/Kg		<u> </u>	05/26/22 10:14 Analyzed	Dil Fac

Job ID: 880-15143-1

Client: NT Global Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

Client Sample ID: CS-15 (1')

Lab Sample ID: 880-15143-15

Date Collected: 05/24/22 00:00 Matrix: Solid Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/25/22 10:00	05/25/22 16:13	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/25/22 10:00	05/25/22 16:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130			05/25/22 10:00	05/25/22 16:13	1
o-Terphenyl	103		70 - 130			05/25/22 10:00	05/25/22 16:13	1

Method: 300.0 - Anions, Ion Chroma	tography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.2		4.99		mg/Kg			05/29/22 03:02	1

Lab Sample ID: 880-15143-16 Client Sample ID: SW-1

Date Collected: 05/24/22 00:00 **Matrix: Solid**

Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201		mg/Kg		05/26/22 11:13	05/26/22 18:54	-
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/22 11:13	05/26/22 18:54	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/22 11:13	05/26/22 18:54	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/26/22 11:13	05/26/22 18:54	
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/22 11:13	05/26/22 18:54	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/22 11:13	05/26/22 18:54	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	99		70 - 130				05/26/22 11:13	05/26/22 18:54	
1,4-Difluorobenzene (Surr)	108		70 - 130				05/26/22 11:13	05/26/22 18:54	
Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/26/22 10:14	
Method: 8015 NM - Diesel Range Analyte		Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	
T L LTDU									Dil Fa
Total TPH	<49.9	U	49.9	- INDL	mg/Kg		Tropulou	05/26/22 09:12	Dil Fa
Total TPH : : Method: 8015B NM - Diesel Ranç						_ =			Dil Fa
- -	ge Organics (Di	RO) (GC) Qualifier					Prepared		Dil Fa
: Method: 8015B NM - Diesel Ranç	ge Organics (D	RO) (GC) Qualifier	49.9		mg/Kg			05/26/22 09:12	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	ge Organics (Di	RO) (GC) Qualifier	49.9		mg/Kg		Prepared	05/26/22 09:12 Analyzed	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (Di Result <49.9	RO) (GC) Qualifier U	49.9 RL 49.9		mg/Kg Unit mg/Kg		Prepared 05/25/22 10:00	05/26/22 09:12 Analyzed 05/25/22 17:00	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (D Result <49.9	RO) (GC) Qualifier U	49.9 RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/25/22 10:00 05/25/22 10:00	05/26/22 09:12 Analyzed 05/25/22 17:00 05/25/22 17:00	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (D) Result <49.9 <49.9	RO) (GC) Qualifier U	49.9 RL 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/25/22 10:00 05/25/22 10:00 05/25/22 10:00	05/26/22 09:12 Analyzed 05/25/22 17:00 05/25/22 17:00	Dil Fa
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	ge Organics (D Result <49.9 <49.9 <49.9 %Recovery	RO) (GC) Qualifier U	49.9 RL 49.9 49.9 49.9 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/25/22 10:00 05/25/22 10:00 05/25/22 10:00 Prepared	Analyzed 05/25/22 17:00 05/25/22 17:00 05/25/22 17:00 Analyzed	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	ge Organics (D) Result <49.9 <49.9 <49.9 **Recovery 97 112	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 05/25/22 10:00 05/25/22 10:00 05/25/22 10:00 Prepared 05/25/22 10:00	05/26/22 09:12 Analyzed 05/25/22 17:00 05/25/22 17:00 Analyzed 05/25/22 17:00	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	ge Organics (D) Result <49.9 <49.9 <49.9 **Recovery 97 112 pomatography -	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 05/25/22 10:00 05/25/22 10:00 05/25/22 10:00 Prepared 05/25/22 10:00	05/26/22 09:12 Analyzed 05/25/22 17:00 05/25/22 17:00 Analyzed 05/25/22 17:00	Dil Fa

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1 SDG: Eddy County, New Mexico

Lab Sample ID: 880-15143-17

Matrix: Solid

Client Sample ID: SW-2 Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/22 11:13	05/26/22 19:15	
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/22 11:13	05/26/22 19:15	,
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/22 11:13	05/26/22 19:15	
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/26/22 11:13	05/26/22 19:15	
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/22 11:13	05/26/22 19:15	,
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/26/22 11:13	05/26/22 19:15	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	103		70 - 130				05/26/22 11:13	05/26/22 19:15	
1,4-Difluorobenzene (Surr)	109		70 - 130				05/26/22 11:13	05/26/22 19:15	
Method: Total BTEX - Total BTEX	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/26/22 10:14	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte	Result	Qualifier	KL	MDL	Unit	U	Prepared	Anaiyzea	
Total TPH	<50.0	U	50.0		mg/Kg			05/26/22 09:12	
Total TPH	<50.0	U	50.0		mg/Kg				
.			50.0		mg/Kg				
: Method: 8015B NM - Diesel Rang	ge Organics (D		50.0 RL	MDL	mg/Kg Unit	D	Prepared		
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	ge Organics (D	RO) (GC) Qualifier		MDL		<u>D</u>	Prepared 05/25/22 10:00	05/26/22 09:12	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	ge Organics (D Result <50.0	RO) (GC) Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	05/25/22 10:00	05/26/22 09:12 Analyzed 05/25/22 17:21	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (D	RO) (GC) Qualifier	RL	MDL	Unit	<u>D</u>	<u>.</u>	05/26/22 09:12 Analyzed	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (D Result <50.0	RO) (GC) Qualifier U	RL	MDL	Unit mg/Kg	<u>D</u>	05/25/22 10:00	05/26/22 09:12 Analyzed 05/25/22 17:21	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (D Result <50.0	RO) (GC) Qualifier U	RL 50.0	MDL	Unit mg/Kg mg/Kg	<u>D</u>	05/25/22 10:00 05/25/22 10:00	05/26/22 09:12 Analyzed 05/25/22 17:21 05/25/22 17:21	Dil Fac
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	ge Organics (D Result <50.0 <50.0	RO) (GC) Qualifier U	RL 50.0 50.0 50.0	MDL	Unit mg/Kg mg/Kg	<u>D</u>	05/25/22 10:00 05/25/22 10:00 05/25/22 10:00	05/26/22 09:12 Analyzed 05/25/22 17:21 05/25/22 17:21	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	ge Organics (D Result <50.0 <50.0 <50.0 %Recovery	RO) (GC) Qualifier U	RL 50.0 50.0 50.0 <i>Limits</i>	MDL	Unit mg/Kg mg/Kg	<u>D</u>	05/25/22 10:00 05/25/22 10:00 05/25/22 10:00 Prepared	05/26/22 09:12 Analyzed 05/25/22 17:21 05/25/22 17:21 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	ge Organics (D Result <50.0 <50.0 <50.0 <80.0 %Recovery 101 117	RO) (GC) Qualifier U U Qualifier	RL 50.0 50.0 50.0 50.0 Limits 70 - 130	MDL	Unit mg/Kg mg/Kg	<u>D</u>	05/25/22 10:00 05/25/22 10:00 05/25/22 10:00 Prepared 05/25/22 10:00	05/26/22 09:12 Analyzed 05/25/22 17:21 05/25/22 17:21 Analyzed 05/25/22 17:21	Dil Fac
Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	ge Organics (D Result <50.0 <50.0 <50.0 **Recovery 101 117 omatography -	RO) (GC) Qualifier U U Qualifier	RL 50.0 50.0 50.0 50.0 Limits 70 - 130	MDL	Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	05/25/22 10:00 05/25/22 10:00 05/25/22 10:00 Prepared 05/25/22 10:00	05/26/22 09:12 Analyzed 05/25/22 17:21 05/25/22 17:21 Analyzed 05/25/22 17:21	Dil Fac

Client Sample ID: SW-3 Lab Sample ID: 880-15143-18 Date Collected: 05/24/22 00:00 **Matrix: Solid**

Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/26/22 11:13	05/26/22 19:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/22 11:13	05/26/22 19:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/22 11:13	05/26/22 19:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/26/22 11:13	05/26/22 19:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/22 11:13	05/26/22 19:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/22 11:13	05/26/22 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130				05/26/22 11:13	05/26/22 19:35	1
1,4-Difluorobenzene (Surr)	145	S1+	70 - 130				05/26/22 11:13	05/26/22 19:35	1

Project/Site: Spica 25 Fed 1 (Spill #1)

Client Sample ID: SW-3

Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-15143-18

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/26/22 10:14	1
- Method: 8015 NM - Diesel Range	e Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/26/22 09:12	1
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		05/25/22 10:00	05/25/22 17:43	
Method: 8015B NM - Diesel Rang Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over	<49.9	ш	49.9		mg/Kg		05/25/22 10:00	05/25/22 17:43	1
C10-C28)	\49.9	U	49.9		ilig/Kg		03/23/22 10.00	03/23/22 17.43	'
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/25/22 10:00	05/25/22 17:43	,
	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Surrogate	7011CCOVCI y								
Surrogate 1-Chlorooctane	101		70 - 130				05/25/22 10:00	05/25/22 17:43	7

5.00 Client Sample ID: SW-4 Lab Sample ID: 880-15143-19

RL

MDL Unit

mg/Kg

D

Prepared

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

Analyte

Chloride

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

573

Analyzed

05/30/22 09:53

Matrix: Solid

Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 20:37	
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 20:37	•
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 20:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/26/22 11:13	05/26/22 20:37	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 20:37	,
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/22 11:13	05/26/22 20:37	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	105		70 - 130				05/26/22 11:13	05/26/22 20:37	
Method: Total BTEX - Total BT		0 115	70 - 130				05/26/22 11:13	05/26/22 20:37	
1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEY	EX Calculation Result	Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	05/26/22 11:13 Prepared	Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX	EX Calculation Result <0.00398	U		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 < 0.00398 ge Organics (DR)	U (GC)	RL		mg/Kg	<u> </u>	Prepared	Analyzed 05/26/22 10:14	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte	EX Calculation Result <0.00398 ge Organics (DR) Result	U	RL		mg/Kg	<u>D</u>		Analyzed 05/26/22 10:14 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran	EX Calculation Result < 0.00398 ge Organics (DR)	U (GC)	RL		mg/Kg	<u> </u>	Prepared	Analyzed 05/26/22 10:14	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte	EX Calculation Result <0.00398 ge Organics (DRO Result 1250	O) (GC) Qualifier	RL		mg/Kg	<u> </u>	Prepared	Analyzed 05/26/22 10:14 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte Total TPH	EX Calculation Result <0.00398 ge Organics (DR) Result 1250 inge Organics (D	O) (GC) Qualifier	RL		mg/Kg Unit mg/Kg	<u> </u>	Prepared	Analyzed 05/26/22 10:14 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ra	EX Calculation Result <0.00398 ge Organics (DR) Result 1250 inge Organics (D	O) (GC) Qualifier RO) (GC)	RL 0.00398	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 05/26/22 10:14 Analyzed 05/26/22 09:12	Dil Fac

Job ID: 880-15143-1

Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

Client Sample ID: SW-4

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

Lab Sample ID: 880-15143-19

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over	1200		50.0		mg/Kg		05/25/22 10:00	05/25/22 18:05	1
C28-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/25/22 10:00	05/25/22 18:05	1
o-Terphenyl	116		70 - 130				05/25/22 10:00	05/25/22 18:05	1
- Method: 300.0 - Anions, Ion C	hromatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.8		5.03		mg/Kg			05/29/22 03:26	1

Client Sample ID: SW-5 Lab Sample ID: 880-15143-20 Matrix: Solid

Date Collected: 05/24/22 00:00

Method: 8021B - Volatile Organic Compounds (GC)

Date Received: 05/25/22 17:05

	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 20:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 20:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 20:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/26/22 11:13	05/26/22 20:58	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		05/26/22 11:13	05/26/22 20:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/22 11:13	05/26/22 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				05/26/22 11:13	05/26/22 20:58	1
1,4-Difluorobenzene (Surr)	108		70 - 130				05/26/22 11:13	05/26/22 20:58	1
Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
								05/26/22 10:14	
Total BTEX Method: 8015 NM - Diesel Range	<0.00398 Organics (DR)		0.00398		mg/Kg			03/20/22 10.14	,
: Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							·
Method: 8015 NM - Diesel Range Analyte	Organics (DR	O) (GC) Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
: Method: 8015 NM - Diesel Range	Organics (DR	O) (GC) Qualifier		MDL		<u>D</u>	Prepared		·
Method: 8015 NM - Diesel Range Analyte	Organics (DR) Result Result 249.8	O) (GC) Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH	Organics (DR) Result 49.8 ge Organics (DI)	O) (GC) Qualifier	RL		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics	Organics (DR) Result 49.8 ge Organics (DI)	Qualifier U RO) (GC) Qualifier	RL		Unit mg/Kg			Analyzed 05/26/22 09:12	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte	Organics (DR) Result 49.8 ge Organics (D) Result	Qualifier U RO) (GC) Qualifier U Qualifier U	RL		Unit mg/Kg		Prepared	Analyzed 05/26/22 09:12 Analyzed	Dil Fac Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10	e Organics (DR) Result <49.8 ge Organics (D) Result <49.8	Qualifier U RO) (GC) Qualifier U Qualifier U	RL 49.8		Unit mg/Kg Unit mg/Kg		Prepared 05/25/22 10:00	Analyzed 05/26/22 09:12 Analyzed 05/25/22 18:26	Dil Fac Dil Fac 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	e Organics (DR) Result <49.8 ge Organics (D) Result <49.8	Qualifier U RO) (GC) Qualifier U Qualifier U	RL 49.8		Unit mg/Kg Unit mg/Kg		Prepared 05/25/22 10:00	Analyzed 05/26/22 09:12 Analyzed 05/25/22 18:26	Dil Fac Dil Fac 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	e Organics (DR Result <49.8 ge Organics (DI Result <49.8	Qualifier U RO) (GC) Qualifier U U U U	RL 49.8 RL 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 05/25/22 10:00 05/25/22 10:00	Analyzed 05/26/22 09:12 Analyzed 05/25/22 18:26 05/25/22 18:26	Dil Fac Dil Fac 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (DR Result <49.8 ge Organics (DR Result <49.8 <49.8	Qualifier U RO) (GC) Qualifier U U U U	RL 49.8 RL 49.8 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 05/25/22 10:00 05/25/22 10:00 05/25/22 10:00	Analyzed 05/26/22 09:12 Analyzed 05/25/22 18:26 05/25/22 18:26	Dil Fac Dil Fac 1 1 1

Eurofins Midland

Analyzed

05/29/22 03:34

Prepared

RL

4.98

MDL Unit

mg/Kg

Dil Fac

Analyte

Chloride

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

224

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Client Sample ID: SW-6

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05 Lab Sample ID: 880-15143-21

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/26/22 16:00	05/27/22 13:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/22 16:00	05/27/22 13:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/22 16:00	05/27/22 13:32	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/26/22 16:00	05/27/22 13:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/22 16:00	05/27/22 13:32	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/26/22 16:00	05/27/22 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				05/26/22 16:00	05/27/22 13:32	1
1,4-Difluorobenzene (Surr)	104		70 - 130				05/26/22 16:00	05/27/22 13:32	1
Method: Total BTEX - Total BTEX	K Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range	•		D.	MDI	11-24	_	Dd	Amahasad	D!! F
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.3		49.9		mg/Kg			05/26/22 09:12	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	51.3		49.9		mg/Kg		05/25/22 10:00	05/25/22 18:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/25/22 10:00	05/25/22 18:48	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/25/22 10:00	05/25/22 18:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Surrogate 1-Chlorooctane	%Recovery 93	Qualifier	70 - 130				Prepared 05/25/22 10:00	Analyzed 05/25/22 18:48	
	<u>`</u>	Qualifier							1
1-Chlorooctane	93 106	<u> </u>	70 - 130				05/25/22 10:00	05/25/22 18:48	1
1-Chlorooctane o-Terphenyl	93 106 omatography -	<u> </u>	70 - 130	MDL	Unit	D	05/25/22 10:00	05/25/22 18:48	Dil Fac

Client Sample ID: SW-7

Date Collected: 05/24/22 00:00

Matrix: Solid

Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/26/22 08:16	05/27/22 00:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/22 08:16	05/27/22 00:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/22 08:16	05/27/22 00:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/26/22 08:16	05/27/22 00:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/22 08:16	05/27/22 00:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/22 08:16	05/27/22 00:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				05/26/22 08:16	05/27/22 00:15	1
1,4-Difluorobenzene (Surr)	103		70 - 130				05/26/22 08:16	05/27/22 00:15	1

Eurofins Midland

3

5

9

11

13

14

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-15143-22

Matrix: Solid

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

Client Sample ID: SW-7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/26/22 10:14	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			05/26/22 09:12	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		05/25/22 10:00	05/25/22 19:10	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		05/25/22 10:00	05/25/22 19:10	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/25/22 10:00	05/25/22 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				05/25/22 10:00	05/25/22 19:10	1
o-Terphenyl	106		70 - 130				05/25/22 10:00	05/25/22 19:10	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.3		4.95		mg/Kg			05/30/22 02:05	1

Client Sample ID: SW-8 Lab Sample ID: 880-15143-23

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

Released to Imaging: 10/13/2023 2:42:51 PM

Matrix: Solid

Method: 8021B - Volatile Orga	nic Compounds (GC)							
Analyte	Result	•	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/27/22 00:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/27/22 00:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/27/22 00:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/26/22 08:16	05/27/22 00:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/27/22 00:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/26/22 08:16	05/27/22 00:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				05/26/22 08:16	05/27/22 00:35	1
1,4-Difluorobenzene (Surr)	104		70 - 130				05/26/22 08:16	05/27/22 00:35	1
 Method: Total BTEX - Total BT	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/26/22 10:14	1

Method: 8015 NM - Diesel Range C	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/26/22 09:12	1

1	Method: 8015B NM - Diesel Range Orga	nics (D	RO) (GC)							
1	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/25/22 10:00	05/25/22 19:31	1
	Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/25/22 10:00	05/25/22 19:31	1

Job ID: 880-15143-1

Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

Client Sample ID: SW-8 Lab Sample ID: 880-15143-23

Date Collected: 05/24/22 00:00 Matrix: Solid Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/25/22 10:00	05/25/22 19:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				05/25/22 10:00	05/25/22 19:31	1
o-Terphenyl	88		70 - 130				05/25/22 10:00	05/25/22 19:31	1

Method: 300.0 - Anions, Ion Chroma	tography - S	Soluble						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		4.96	mg/k	(g		05/30/22 02:11	1

Client Sample ID: SW-9 Lab Sample ID: 880-15143-24

Date Collected: 05/24/22 00:00 Matrix: Solid

Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/27/22 00:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/27/22 00:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/27/22 00:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/26/22 08:16	05/27/22 00:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/22 08:16	05/27/22 00:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/26/22 08:16	05/27/22 00:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				05/26/22 08:16	05/27/22 00:55	1
1,4-Difluorobenzene (Surr)	105		70 - 130				05/26/22 08:16	05/27/22 00:55	1
- Method: Total BTEX - Total BTEX	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/26/22 10:14	1
Analyte Total TDH		Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/26/22 09:12	1
<u> </u>									
Method: 8015B NM - Diesel Rang	• • •	, , ,				_	_		
Analyte		Qualifier	RL -	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/25/22 10:00	05/25/22 19:53	1
Discal Dance Occupation (Occup	<50.0		=0.0		mg/Kg		05/25/22 10:00	05/25/22 19:53	1
5 5 ,	\30.0	U	50.0						
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0		50.0		mg/Kg		05/25/22 10:00	05/25/22 19:53	1
C10-C28)		U			mg/Kg		05/25/22 10:00 Prepared	05/25/22 19:53 Analyzed	Dil Fac
C10-C28) OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg				
C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<50.0 %Recovery	U	50.0 <i>Limits</i>		mg/Kg		Prepared	Analyzed	Dil Fac
C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0	U Qualifier	50.0 Limits 70 - 130		mg/Kg		Prepared 05/25/22 10:00	Analyzed 05/25/22 19:53	Dil Fac
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.0 **Recovery 92 100 omatography -	U Qualifier	50.0 Limits 70 - 130	MDL	mg/Kg Unit	<u>D</u>	Prepared 05/25/22 10:00	Analyzed 05/25/22 19:53	Dil Fac

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-15143-25

Matrix: Solid

Client Sample ID: SW-10 Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/26/22 08:16	05/27/22 01:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/22 08:16	05/27/22 01:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/22 08:16	05/27/22 01:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/26/22 08:16	05/27/22 01:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/26/22 08:16	05/27/22 01:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/22 08:16	05/27/22 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				05/26/22 08:16	05/27/22 01:16	1
1,4-Difluorobenzene (Surr)	105		70 - 130				05/26/22 08:16	05/27/22 01:16	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/26/22 10:14	1

Method: 8015 NM - Diesel	Range Organics (DRO)	(GC)
A I4 -	Decult O	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/26/22 09:12	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		05/25/22 10:00	05/25/22 20:14	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		05/25/22 10:00	05/25/22 20:14	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/25/22 10:00	05/25/22 20:14	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95	70 - 130	05/25/22 10:00	05/25/22 20:14	1
o-Terphenyl	108	70 - 130	05/25/22 10:00	05/25/22 20:14	1

Method: 300.0 - Anions,	Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176	5.04	mg/Kg			05/30/22 02:24	1

Client Sample ID: SW-11

Date Collected: 05/24/22 00:00 **Matrix: Solid**

Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/26/22 08:16	05/27/22 01:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/22 08:16	05/27/22 01:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/22 08:16	05/27/22 01:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/26/22 08:16	05/27/22 01:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/22 08:16	05/27/22 01:36	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/26/22 08:16	05/27/22 01:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				05/26/22 08:16	05/27/22 01:36	1
1.4-Difluorobenzene (Surr)	104		70 - 130				05/26/22 08:16	05/27/22 01:36	1

Eurofins Midland

Lab Sample ID: 880-15143-26

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-15143-26

Matrix: Solid

Client Sample ID: SW-11 Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/26/22 10:14	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			05/26/22 09:12	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	<49.9	U	49.9		mg/Kg		05/25/22 10:00	05/25/22 19:31	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		05/25/22 10:00	05/25/22 19:31	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/25/22 10:00	05/25/22 19:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80	·	70 - 130				05/25/22 10:00	05/25/22 19:31	1
o-Terphenyl	84		70 - 130				05/25/22 10:00	05/25/22 19:31	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		4.98		mg/Kg			05/30/22 02:43	

Client Sample ID: SW-12 Lab Sample ID: 880-15143-27

Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/26/22 08:16	05/27/22 01:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/22 08:16	05/27/22 01:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/22 08:16	05/27/22 01:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/26/22 08:16	05/27/22 01:57	
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/22 08:16	05/27/22 01:57	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/22 08:16	05/27/22 01:57	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	101		70 - 130				05/26/22 08:16	05/27/22 01:57	1
1,4-Difluorobenzene (Surr)	101		70 - 130				05/26/22 08:16	05/27/22 01:57	1
Nethod: Total BTEX - Total BT			70 - 130				03/20/22 00.10	03/21/22 01:31	
Method: Total BTEX - Total BT Analyte	EX Calculation Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	
Method: Total BTEX - Total BT Analyte Total BTEX	TEX Calculation Result <0.00402	U		MDL	Unit mg/Kg	<u>D</u>			
Method: Total BTEX - Total BT Analyte	TEX Calculation Result <0.00402 age Organics (DR	U	RL	MDL MDL	mg/Kg	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Rar	TEX Calculation Result <0.00402 age Organics (DR	U O) (GC) Qualifier	RL		mg/Kg			Analyzed 05/26/22 10:14	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Rar Analyte	TEX Calculation Result <0.00402 age Organics (DR Result <49.8	O) (GC) Qualifier			mg/Kg		Prepared	Analyzed 05/26/22 10:14 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Rar Analyte Total TPH	TEX Calculation Result <0.00402 age Organics (DR Result <49.8 ange Organics (D	O) (GC) Qualifier			mg/Kg Unit mg/Kg		Prepared	Analyzed 05/26/22 10:14 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Rar Analyte Total TPH Method: 8015B NM - Diesel Ra	TEX Calculation Result <0.00402 age Organics (DR Result <49.8 ange Organics (D	O) (GC) Qualifier U RO) (GC) Qualifier	RL 0.00402 RL 49.8	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 05/26/22 10:14 Analyzed 05/26/22 09:12	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Rar Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics	rex Calculation Result <0.00402 age Organics (DR Result <49.8 ange Organics (D Result	O) (GC) Qualifier U RO) (GC) Qualifier U	RL 0.00402 RL 49.8	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	Analyzed 05/26/22 10:14 Analyzed 05/26/22 09:12 Analyzed	Dil Fac

Eurofins Midland

Matrix: Solid

SDG: Eddy County, New Mexico

Project/Site: Spica 25 Fed 1 (Spill #1)

Lab Sample ID: 880-15143-27

Matrix: Solid

Client Sample ID: SW-12

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/25/22 10:00	05/25/22 19:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130			05/25/22 10:00	05/25/22 19:53	1
o-Terphenyl	82		70 - 130			05/25/22 10:00	05/25/22 19:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	261		4.99		mg/Kg			05/30/22 02:49	1

Client Sample ID: SW-13

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05 Lab Sample ID: 880-15143-28

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/26/22 16:00	05/27/22 13:12	1
Toluene	< 0.00201	U	0.00201		mg/Kg		05/26/22 16:00	05/27/22 13:12	1
Ethylbenzene	< 0.00201	U	0.00201		mg/Kg		05/26/22 16:00	05/27/22 13:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/26/22 16:00	05/27/22 13:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/22 16:00	05/27/22 13:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/22 16:00	05/27/22 13:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				05/26/22 16:00	05/27/22 13:12	1
1,4-Difluorobenzene (Surr)	100		70 - 130				05/26/22 16:00	05/27/22 13:12	1
- Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402		0.00402		mg/Kg			05/26/22 10:14	1
Method: 8015 NM - Diesel Range Analyte	•	O) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/26/22 09:12	1
- Method: 8015B NM - Diesel Rang	je Organics (Di	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/25/22 10:00	05/25/22 20:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/25/22 10:00	05/25/22 20:14	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/25/22 10:00	05/25/22 20:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				05/25/22 10:00	05/25/22 20:14	1
o-Terphenyl	91		70 - 130				05/25/22 10:00	05/25/22 20:14	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Pocult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Allalyte	- Nesuit	Qualifier	4.95	IVIDE	mg/Kg		Frepareu	05/30/22 02:56	— ППГа

Surrogate Summary

Client: NT Global Job ID: 880-15143-1
Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrog	ate Reco
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-15142-A-6-D MS	Matrix Spike	104	105		
880-15142-A-6-E MSD	Matrix Spike Duplicate	102	96		
880-15143-1	CS-1 (1')	95	95		
880-15143-1 MS	CS-1 (1')	125	100		
880-15143-1 MSD	CS-1 (1')	107	97		
880-15143-2	CS-2 (1')	104	99		
880-15143-3	CS-3 (1')	120	91		
880-15143-4	CS-4 (1')	134 S1+	93		
880-15143-5	CS-5 (1')	96	100		
880-15143-6	CS-6 (1')	101	96		
880-15143-7	CS-7 (1')	103	97		
880-15143-8	CS-8 (1')	98	97		
880-15143-9					
	CS-9 (1')	100	99		
880-15143-10	CS-10 (3.5')	103	99		
880-15143-11	CS-11 (3.5')	96	108		
880-15143-11 MS	CS-11 (3.5')	90	105		
880-15143-11 MSD	CS-11 (3.5')	90	106		
880-15143-12	CS-12 (3.5')	74	129		
880-15143-13	CS-13 (1')	95	109		
880-15143-14	CS-14 (1')	97	108		
880-15143-15	CS-15 (1')	94	107		
380-15143-16	SW-1	99	108		
880-15143-17	SW-2	103	109		
880-15143-18	SW-3	144 S1+	145 S1+		
880-15143-19	SW-4	105	108		
880-15143-20	SW-5	93	108		
880-15143-21	SW-6	106	104		
880-15143-22	SW-7	103	103		
880-15143-23	SW-8	103	103		
880-15143-23 880-15143-24					
	SW-9	107	105		
880-15143-25	SW-10	106	105		
880-15143-26	SW-11	106	104		
880-15143-27	SW-12	101	101		
880-15143-28	SW-13	110	100		
LCS 880-26279/1-A	Lab Control Sample	95	105		
LCS 880-26303/1-A	Lab Control Sample	97	99		
LCS 880-26347/1-A	Lab Control Sample	92	105		
LCSD 880-26279/2-A	Lab Control Sample Dup	92	104		
LCSD 880-26303/2-A	Lab Control Sample Dup	102	100		
LCSD 880-26347/2-A	Lab Control Sample Dup	91	106		
MB 880-26279/5-A	Method Blank	101	105		
MB 880-26303/5-A	Method Blank	99	100		
MB 880-26347/5-A	Method Blank	85	100		

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Midland

2

5

9

11

13

14

Surrogate Summary

Client: NT Global Job ID: 880-15143-1 Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

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

				Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)	
880-15094-A-21-E MS	Matrix Spike	99	94	
880-15094-A-21-F MSD	Matrix Spike Duplicate	108	100	
880-15141-A-1-B MS	Matrix Spike	86	78	
880-15141-A-1-C MSD	Matrix Spike Duplicate	100	90	
880-15143-1	CS-1 (1')	98	115	
880-15143-1 MS	CS-1 (1')	101	98	
880-15143-1 MSD	CS-1 (1')	98	102	
880-15143-2	CS-2 (1')	87	95	
880-15143-3	CS-3 (1')	89	98	
880-15143-4	CS-4 (1')	88	100	
880-15143-5	CS-5 (1')	89	103	
880-15143-6	CS-6 (1')	101	117	
880-15143-7	CS-7 (1')	90	96	
880-15143-8	CS-8 (1')	85	97	
880-15143-9	CS-9 (1')	93	100	
880-15143-10	CS-10 (3.5')	108	119	
880-15143-11	CS-11 (3.5')	92	99	
880-15143-12	CS-12 (3.5')	88	94	
880-15143-13	CS-13 (1')	90	100	
880-15143-13 MS	CS-13 (1')	101	94	
880-15143-13 MSD	CS-13 (1')	101	94	
880-15143-14	CS-14 (1')	108	120	
880-15143-15	CS-15 (1')	92	103	
880-15143-16	SW-1	97	112	
880-15143-17	SW-2	101	117	
880-15143-18	SW-3	101	113	
880-15143-19	SW-4	102	116	
880-15143-20	SW-5	99	111	
880-15143-21	SW-6	93	106	
880-15143-22	SW-7	94	106	
880-15143-23	SW-8	83	88	
880-15143-24	SW-9	92	100	
880-15143-25	SW-10	95	108	
880-15143-26	SW-11	80	84	
880-15143-27	SW-12	80	82	
880-15143-28	SW-13	86	91	
LCS 880-26186/2-A	Lab Control Sample	98	99	
LCS 880-26236/2-A	Lab Control Sample	87	81	
LCS 880-26276/2-A	Lab Control Sample	96	100	
LCS 880-26323/2-A	Lab Control Sample	101	98	
LCSD 880-26186/3-A	Lab Control Sample Dup	90	88	
LCSD 880-26236/3-A	Lab Control Sample Dup	91	89	
LCSD 880-26276/3-A	Lab Control Sample Dup	94	100	
LCSD 880-26323/3-A	Lab Control Sample Dup	93	89	
MB 880-26186/1-A	Method Blank	89	102	
MB 880-26236/1-A	Method Blank	80	86	
MB 880-26276/1-A	Method Blank	89	100	
MB 880-26323/1-A	Method Blank	93	106	

Surrogate Summary

Client: NT Global

Project/Site: Spica 25 Fed 1 (Spill #1)

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-26279/5-A

Matrix: Solid

Analysis Batch: 26208

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 26279

MB	MB	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/25/22 17:05	05/25/22 23:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/25/22 17:05	05/25/22 23:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/25/22 17:05	05/25/22 23:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/25/22 17:05	05/25/22 23:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/25/22 17:05	05/25/22 23:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/25/22 17:05	05/25/22 23:31	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	05/25/22 17:05	05/25/22 23:31	1
1,4-Difluorobenzene (Surr)	105		70 - 130	05/25/22 17:05	05/25/22 23:31	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 26279

Matrix: Solid Analysis Batch: 26208

Lab Sample ID: LCS 880-26279/1-A

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09076 mg/Kg 91 70 - 130 Toluene 0.100 0.08726 mg/Kg 87 70 - 130 0.100 0.07543 75 Ethylbenzene mg/Kg 70 - 130 0.200 0.1539 77 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.07993 70 - 130 o-Xylene mg/Kg

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-26279/2-A **Client Sample ID: Lab Control Sample Dup**

Matrix: Solid

Analysis Batch: 26208

Prep Type: Total/NA Prep Batch: 26279

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09128		mg/Kg		91	70 - 130	1	35	
Toluene	0.100	0.08699		mg/Kg		87	70 - 130	0	35	
Ethylbenzene	0.100	0.07502		mg/Kg		75	70 - 130	1	35	
m-Xylene & p-Xylene	0.200	0.1531		mg/Kg		77	70 - 130	1	35	
o-Xylene	0.100	0.07916		mg/Kg		79	70 - 130	1	35	

LCSD LCSD

Surrogate	%Recovery Q	ualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1.4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-15143-1 MS

Matrix: Solid

Analysis Batch: 26208

Client	Sample	ID:	CS-1	(1')

Prep Type: Total/NA

Prep Batch: 26279

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.08073		mg/Kg	_	81	70 - 130	
Toluene	<0.00199	U	0.0996	0.09497		mg/Kg		95	70 - 130	

Eurofins Midland

Page 29 of 64

QC Sample Results

Client: NT Global Job ID: 880-15143-1 Project/Site: Spica 25 Fed 1 (Spill #1)

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-15143-1 MSD

Analysis Batch: 26208

Lab Sample ID: 880-15143-1 MS Client Sample ID: CS-1 (1') **Matrix: Solid** Prep Type: Total/NA

Prep Batch: 26279

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits D Ethylbenzene < 0.00199 U 0.0996 0.09503 mg/Kg 95 70 - 130 m-Xylene & p-Xylene <0.00398 0 199 0.2106 mg/Kg 106 70 - 130 <0.00199 U 0.0996 0.1068 70 - 130 o-Xylene mg/Kg 107

MS MS

Surrogate Qualifier Limits %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 125 1,4-Difluorobenzene (Surr) 70 - 130 100

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 26279

Matrix: Solid Analysis Batch: 26208

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier RPD Limit Analyte Added Result Qualifier %Rec Limits Unit D Benzene <0.00199 U 0.101 0.08589 mg/Kg 85 70 - 130 6 35 Toluene <0.00199 0.101 0.09372 mg/Kg 93 70 - 130 35 Ethylbenzene <0.00199 0.101 0.08775 87 70 - 130 35 U mg/Kg 8 m-Xylene & p-Xylene <0.00398 U 0.201 0.1846 mg/Kg 92 70 - 130 13 35 35 o-Xylene 13

0 101 0.09393 93 70 - 130 <0.00199 U mg/Kg MSD MSD

mg/Kg

Surrogate Qualifier Limits %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 107 70 - 130 1,4-Difluorobenzene (Surr) 97

Lab Sample ID: MB 880-26303/5-A

Matrix: Solid

Analysis Batch: 26372

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

05/26/22 18:10

Prep Batch: 26303

MDL Unit Qualifier Prepared Dil Fac Analyte Result RL Analyzed Benzene <0.00200 U 0.00200 mg/Kg 05/26/22 08:16 05/26/22 18:10 Toluene <0.00200 U 0.00200 05/26/22 08:16 05/26/22 18:10 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg 05/26/22 08:16 05/26/22 18:10 m-Xylene & p-Xylene <0.00400 0.00400 mg/Kg 05/26/22 08:16 05/26/22 18:10 05/26/22 08:16 05/26/22 18:10 o-Xylene <0.00200 U 0.00200 mg/Kg

0.00400

MB

MB MB

<0.00400 U

Dil Fac Qualifier Limits Surrogate %Recovery Prepared Analyzed 4-Bromofluorobenzene (Surr) 99 70 - 130 05/26/22 08:16 05/26/22 18:10 05/26/22 08:16 1,4-Difluorobenzene (Surr) 100 70 - 130 05/26/22 18:10

Lab Sample ID: LCS 880-26303/1-A

Matrix: Solid

Xylenes, Total

Analysis Batch: 26372

Client Sample ID: Lab Control Sample

05/26/22 08:16

Prep Type: Total/NA

Prep Batch: 26303

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09406		mg/Kg		94	70 - 130	
Toluene	0.100	0.09866		mg/Kg		99	70 - 130	
Ethylbenzene	0.100	0.09290		mg/Kg		93	70 - 130	
m-Xylene & p-Xylene	0.200	0.2148		mg/Kg		107	70 - 130	

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

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

Lab Sample ID: LCS 880-26303/1-A **Client Sample ID: Lab Control Sample Matrix: Solid**

Analysis Batch: 26372

Prep Batch: 26303 Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits

o-Xylene 0.100 0.1052 105 70 - 130 mg/Kg LCS LCS

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

Lab Sample ID: LCSD 880-26303/2-A

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 26372** Prep Batch: 26303 Spike LCSD LCSD RPD Added Result Qualifier Unit %Rec Limits Limit

Analyte Benzene 0.100 0.09767 mg/Kg 98 70 - 130 4 35 Toluene 0.100 0.1054 mg/Kg 105 70 - 130 35 Ethylbenzene 0.100 0.09980 mg/Kg 100 70 - 130 35 35 m-Xylene & p-Xylene 0.200 0.2313 mg/Kg 116 70 - 130 0.100 0.1126 70 - 130 35 o-Xylene mg/Kg 113

LCSD LCSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 102 70 - 130 1,4-Difluorobenzene (Surr) 100 70 - 130

Lab Sample ID: 880-15142-A-6-D MS

Matrix: Solid

Analysis Batch: 26372									Prep	Batch: 26303
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.0996	0.08746		mg/Kg		88	70 - 130	
Toluene	<0.00201	U	0.0996	0.08625		mg/Kg		87	70 - 130	
Ethylbenzene	<0.00201	U	0.0996	0.07685		mg/Kg		77	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1755		mg/Kg		88	70 - 130	
o-Xylene	< 0.00201	U	0.0996	0.08635		mg/Kg		87	70 - 130	

MS MS Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 104 70 - 130 1,4-Difluorobenzene (Surr) 105

Lab Sample ID: 880-15142-A-6-E MSD

Matrix: Solid

nalveis Ratch: 26372

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Type: Total/NA

Pron Batch: 26303

Analysis Batch: 26372									Prep	Batch:	26303
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.100	0.07927		mg/Kg		79	70 - 130	10	35
Toluene	<0.00201	U	0.100	0.08758		mg/Kg		87	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.100	0.08096		mg/Kg		80	70 - 130	5	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1883		mg/Kg		94	70 - 130	7	35
o-Xylene	<0.00201	U	0.100	0.09264		mg/Kg		92	70 - 130	7	35

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-15142-A-6-E MSD

Matrix: Solid

Analysis Batch: 26372

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 26303

MSD MSD

%Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene (Surr) 102 70 - 130 1,4-Difluorobenzene (Surr) 96 70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 26347

Lab Sample ID: MB 880-26347/5-A

Matrix: Solid

Analysis Batch: 26367

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/22 11:13	05/26/22 16:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/22 11:13	05/26/22 16:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/22 11:13	05/26/22 16:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/26/22 11:13	05/26/22 16:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/22 11:13	05/26/22 16:09	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		05/26/22 11:13	05/26/22 16:09	1

MB MB

Surrogate	%Recovery Qual	lifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85	70 - 130	05/26/22 11:13	05/26/22 16:09	1
1,4-Difluorobenzene (Surr)	100	70 - 130	05/26/22 11:13	05/26/22 16:09	1

Lab Sample ID: LCS 880-26347/1-A

Matrix: Solid

Analysis Batch: 26367

Client Sample IL	D: Lab Control Sample
	Prep Type: Total/NA

Prep Batch: 26347

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1121	-	mg/Kg		112	70 - 130	
Toluene	0.100	0.1077		mg/Kg		108	70 - 130	
Ethylbenzene	0.100	0.1115		mg/Kg		112	70 - 130	
m-Xylene & p-Xylene	0.200	0.2223		mg/Kg		111	70 - 130	
o-Xylene	0.100	0.1071		mg/Kg		107	70 - 130	

Spike

Added

0.100

0.100

0.100

0.200

0.100

LCSD LCSD

0.1107

0.1017

0.1061

0.2108

0.1011

Result Qualifier

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	92	70 - 130
1,4-Difluorobenzene (Surr)	105	70 - 130

Lab Sample ID: LCSD 880-26347/2-A

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 26367

Client Sample ID: Lab Control Sample Dup

70 - 130

70 - 130

105

101

Prep Type: Total/NA

Prep Batch: 26347 %Rec **RPD**

5

%Rec Limits RPD Limit 111 70 - 130 35 70 - 130 102 35 6 106 70 - 130 35

LCSD LCSD

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 91 70 - 130

Eurofins Midland

35

35

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-26347/2-A

Matrix: Solid

Analysis Batch: 26367

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 26347

LCSD LCSD

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

Client Sample ID: CS-11 (3.5')

Prep Type: Total/NA

Prep Batch: 26347

Lab Sample ID: 880-15143-11 MS

Matrix: Solid

Analysis Batch: 26367

ple Sample	Spike	MS	MS				%Rec	
sult Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
201 U	0.100	0.09817		mg/Kg		98	70 - 130	
201 U	0.100	0.08807		mg/Kg		88	70 - 130	
201 U	0.100	0.09106		mg/Kg		91	70 - 130	
102 U	0.201	0.1820		mg/Kg		91	70 - 130	
201 U	0.100	0.08738		mg/Kg		87	70 - 130	
2 2 2	sult Qualifier 201 U 201 U 201 U 402 U 201 U	Sult 201 U Qualifier Added 0.100 201 U 0.100 201 U 0.100 201 U 0.100 402 U 0.201	sult 201 Qualifier Added 201 Result 201 201 U 0.100 0.09817 201 U 0.100 0.08807 201 U 0.100 0.09106 402 U 0.201 0.1820	sult 201 Qualifier Added 201 Result 201 Qualifier 201 U 0.100 0.09817 201 U 0.100 0.08807 201 U 0.100 0.09106 402 U 0.201 0.1820	sult 201 Qualifier Added 201 Result 201 Qualifier 201 Unit 201 201 U 0.100 0.09817 mg/Kg 201 U 0.100 0.08807 mg/Kg 201 U 0.100 0.09106 mg/Kg 402 U 0.201 0.1820 mg/Kg	Sult sult 201 Qualifier Added Added Added Output Result Qualifier Qualifier Unit Mg/Kg D 201 U 0.100 0.09817 mg/Kg 201 U 0.100 0.08807 mg/Kg 201 U 0.100 0.09106 mg/Kg 402 U 0.201 0.1820 mg/Kg	Sult Sult Sult Sult Sult Sult Sult Sult	sult Qualifier Added Result Qualifier Unit D %Rec Limits 201 U 0.100 0.09817 mg/Kg 98 70 - 130 201 U 0.100 0.08807 mg/Kg 88 70 - 130 201 U 0.100 0.09106 mg/Kg 91 70 - 130 402 U 0.201 0.1820 mg/Kg 91 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	90	70 - 130
1,4-Difluorobenzene (Surr)	105	70 - 130

Lab Sample ID: 880-15143-11 MSD Client Sample ID: CS-11 (3.5')

Matrix: Solid

Analysis Batch: 26367

Prep Type: Total/NA

Prep Batch: 26347

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.0996	0.1034		mg/Kg		104	70 - 130	5	35
Toluene	<0.00201	U	0.0996	0.09117		mg/Kg		92	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.0996	0.09291		mg/Kg		93	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1857		mg/Kg		93	70 - 130	2	35
o-Xylene	<0.00201	U	0.0996	0.08937		mg/Kg		90	70 - 130	2	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

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

Lab Sample ID: MB 880-26186/1-A

Matrix: Solid

Analysis Batch: 26209

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

Prep Batch: 26186

	MB	MB						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/24/22 13:28	05/25/22 11:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/24/22 13:28	05/25/22 11:11	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/24/22 13:28	05/25/22 11:11	1

мв мв

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89	70 - 130	05/24/22 13:28	05/25/22 11:11	1
o-Terphenyl	102	70 - 130	05/24/22 13:28	05/25/22 11:11	1

Eurofins Midland

6/1/2022

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-26186/2-A

Lab Sample ID: LCSD 880-26186/3-A

Matrix: Solid Analysis Batch: 26209 Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 26186

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	913.1		mg/Kg		91	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	973.6		mg/Kg		97	70 - 130	
C10-C28)								

LCS LCS

LCSD LCSD

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 26186

Analysis Batch: 26209 Spike LCSD LCSD %Rec RPD Added Analyte Result Qualifier Unit %Rec Limits **RPD** Limit Gasoline Range Organics 1000 810.5 81 70 - 130 mg/Kg 12 (GRO)-C6-C10 Diesel Range Organics (Over 1000 878.4 mg/Kg 88 70 - 130 10

C10-C28)

Matrix: Solid

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

Lab Sample ID: 880-15094-A-21-E MS

Lab Sample ID: 880-15094-A-21-F MSD

Matrix: Solid

Analysis Batch: 26209

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 26186

-	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	1205		mg/Kg		121	70 - 130
Diesel Range Organics (Over	<50.0	U	1000	990.2		mg/Kg		99	70 - 130

Matrix: Solid

Analysis Batch: 26209

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	94		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 26186

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1020		mg/Kg		102	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1085		mg/Kg		109	70 - 130	9	20

Med Med

	พเรม	IVISU	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130

Project/Site: Spica 25 Fed 1 (Spill #1)

Client: NT Global

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-15094-A-21-F MSD

Matrix: Solid

Analysis Batch: 26209

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 26186

MSD MSD

Surrogate %Recovery Qualifier Limits o-Terphenyl 100 70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 26236

Lab Sample ID: MB 880-26236/1-A

Matrix: Solid

Analysis Batch: 26212

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		05/25/22 09:24	05/25/22 11:11	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		05/25/22 09:24	05/25/22 11:11	1
C10-C28) OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/25/22 09:24	05/25/22 11:11	1

мв мв

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prep	ared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	05/25/2	2 09:24	05/25/22 11:11	1
o-Terphenyl	86		70 - 130	05/25/2	2 09:24	05/25/22 11:11	1

Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 26212

Lab Sample ID: LCS 880-26236/2-A

Prep Type: Total/NA Prep Batch: 26236

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	775.9		mg/Kg		78	70 - 130	
Diesel Range Organics (Over	1000	846.3		mg/Kg		85	70 - 130	
C10-C28)								

LCS LCS %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 87 o-Terphenyl 70 - 130 81

Lab Sample ID: LCSD 880-26236/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 26212

		Prep Type	. IOIai/NA
		Prep Bat	ch: 26236
Snike	LCSD LCSD	%Rec	RPD

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	710.6		mg/Kg		71	70 - 130	9	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	892.2		mg/Kg		89	70 - 130	5	20
C40 C20)									

C10-C28)

LCSD	LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	91	70 - 130
o-Terphenyl	89	70 - 130

QC Sample Results

Client: NT Global Job ID: 880-15143-1 Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-15141-A-1-B MS

Matrix: Solid

Analysis Batch: 26212

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 26236

Sample Sample Spike MS MS Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics <50.0 U F2 1000 807.6 mg/Kg 78 70 - 130 (GRO)-C6-C10 1000 Diesel Range Organics (Over 1001 mg/Kg 84 70 - 130 163

C10-C28)

MS MS %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 86 o-Terphenyl 78 70 - 130

Lab Sample ID: 880-15141-A-1-C MSD

Analysis Batch: 26212

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

Prep Batch: 26236

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit <50.0 U F2 999 101 70 - 130 Gasoline Range Organics 1027 F2 mg/Kg 24 20 (GRO)-C6-C10 Diesel Range Organics (Over 163 999 1153 mg/Kg 99 70 - 130 14 20 C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: MB 880-26276/1-A

Matrix: Solid

Analysis Batch: 26209

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 26276

MR MR

ı		IIID	IVID							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0		mg/Kg		05/25/22 13:31	05/25/22 20:57	1
	(GRO)-C6-C10									
	Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		05/25/22 13:31	05/25/22 20:57	1
	C10-C28)									
	Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/25/22 13:31	05/25/22 20:57	1
ı										

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	05/25/22 13:31	05/25/22 20:57	1
o-Terphenyl	100		70 - 130	05/25/22 13:31	05/25/22 20:57	1

Lab Sample ID: LCS 880-26276/2-A

Matrix: Solid

Analysis Batch: 26209

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

Prep Batch: 26276

н									
l		Spike	LCS	LCS				%Rec	
l	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
l	Gasoline Range Organics	 1000	850.3		mg/Kg		85	70 - 130	
l	(GRO)-C6-C10								
l	Diesel Range Organics (Over	1000	973.3		mg/Kg		97	70 - 130	
1	C10-C28)								

Eurofins Midland

6/1/2022

Project/Site: Spica 25 Fed 1 (Spill #1)

Client: NT Global

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

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

LCS LCS

%Recovery Qualifier

96

100

Lab Sample ID: LCS 880-26276/2-A Client Sample ID: Lab Control Sample

Limits

70 - 130

70 - 130

Matrix: Solid

Surrogate

o-Terphenyl

1-Chlorooctane

Analysis Batch: 26209

Prep Type: Total/NA

Prep Batch: 26276

Lab Sample ID: LCSD 880-26276/3-A

Matrix: Solid

Analysis Batch: 26209

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 26276

Prep Batch: 26276

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 869.6 87 70 - 1302 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 963.2 96 mg/Kg 70 - 13020 C10-C28)

LCSD LCSD

<50.0 U

Surrogate %Recovery Qualifier Limits 94 70 - 130 1-Chlorooctane 100 70 - 130 o-Terphenyl

Lab Sample ID: 880-15143-1 MS Client Sample ID: CS-1 (1')

Prep Type: Total/NA **Matrix: Solid**

Analysis Batch: 26209

Diesel Range Organics (Over

Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U 1000 1059 mg/Kg 106 70 - 130 (GRO)-C6-C10

988.4

mg/Kg

99

70 - 130

1000

C10-C28)

MS MS

%Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 101 70 - 130 o-Terphenyl 98

Lab Sample ID: 880-15143-1 MSD Client Sample ID: CS-1 (1')

Analysis Batch: 26209

Matrix: Solid Prep Type: Total/NA Prep Batch: 26276

Sample Sample MSD MSD RPD Spike %Rec

Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit <50.0 U 999 966.8 97 Gasoline Range Organics mg/Kg 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 999 1023 mg/Kg 102 70 - 130 3 20

C10-C28)

MSD MSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	98	70 - 130
o-Terphenyl	102	70 - 130

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-26323/1-A

Matrix: Solid

Analysis Batch: 26299

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

%Rec

Limits

70 - 130

70 - 130

Client Sample ID: Lab Control Sample Dup

%Rec

Limits

70 - 130

70 - 130

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 26323

RPD

16

17

RPD

Limit

20

20

Prep Batch: 26323

Prep Batch: 26323

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/26/22 09:34	05/26/22 11:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/22 09:34	05/26/22 11:02	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/22 09:34	05/26/22 11:02	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/26/22 09:34	05/26/22 11:02	1
o-Terphenyl	106		70 - 130				05/26/22 09:34	05/26/22 11:02	1

Added

1000

1000

Spike

Added

1000

1000

Result

1052

1191

LCSD LCSD

896.2

1008

Result Qualifier

Qualifier

Unit

mg/Kg

mg/Kg

Unit

mg/Kg

mg/Kg

D

%Rec

105

119

%Rec

90

101

D

Lab Sample ID: LCS 880-26323/2-A

Matrix: Solid

Analysis Batch: 26299 LCS LCS Spike

Analyte Gasoline Range Organics

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

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: LCSD 880-26323/3-A

Matrix: Solid

Analysis Batch: 26299

Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over

C10-C28)

LCSD LCSD %Recovery Qualifier Surrogate

Limits 70 - 130 1-Chlorooctane 93 89 70 - 130 o-Terphenyl

Lab Sample ID: 880-15143-13 MS

Matrix: Solid

Analysis Batch: 26299

MS MS Sample Sample Spike Result Qualifier Added Result Qualifier Analyte Unit %Rec Limits U Gasoline Range Organics <50.0 1000 997.8 mg/Kg 98 70 - 130 (GRO)-C6-C10 <50.0 U 1000 1166 Diesel Range Organics (Over mg/Kg 115 70 - 130

C10-C28)

Client Sample ID: CS-13 (1')

Prep Type: Total/NA

Prep Batch: 26323

%Rec

Project/Site: Spica 25 Fed 1 (Spill #1)

SDG: Eddy County, New Mexico

Job ID: 880-15143-1

Prep Type: Total/NA

Prep Batch: 26323

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

Lab Sample ID: 880-15143-13 MS Client Sample ID: CS-13 (1') **Matrix: Solid**

Analysis Batch: 26299

MS MS Surrogate %Recovery Qualifier Limits

1-Chlorooctane 101 70 - 130 o-Terphenyl 94 70 - 130

Lab Sample ID: 880-15143-13 MSD Client Sample ID: CS-13 (1')

Matrix: Solid

Prep Type: Total/NA Analysis Batch: 26299 Prep Batch: 26323

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit <50.0 U 999 984.5 97 70 - 13020 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 999 1162 mg/Kg 114 70 - 1300 20 C10-C28)

MSD MSD

%Recovery Surrogate Qualifier Limits 70 - 130 1-Chlorooctane 101 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-26275/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 26436

мв мв

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed 5.00 Chloride <5.00 U mg/Kg 05/28/22 23:44

Lab Sample ID: LCS 880-26275/2-A Client Sample ID: Lab Control Sample **Matrix: Solid**

Analysis Batch: 26436

Spike LCS LCS %Rec Added Result Qualifier Unit D %Rec Limits

Analyte Chloride 250 273.2 mg/Kg 109 90 - 110

Lab Sample ID: LCSD 880-26275/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Analysis Batch: 26436

Spike LCSD LCSD %Rec RPD Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 273.5 109 90 - 110 20 mg/Kg

Lab Sample ID: 880-15143-1 MS Client Sample ID: CS-1 (1')

Matrix: Solid Analysis Batch: 26436

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

250 Chloride 94.2 356.5 mg/Kg 105 90 - 110

Eurofins Midland

Released to Imaging: 10/13/2023 2:42:51 PM

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1')

Prep Type: Soluble

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-15143-1 MSD

Matrix: Solid

Analysis Batch: 26436

7											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	94.2		250	356.5		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-15143-11 MS Client Sample ID: CS-11 (3.5')

Matrix: Solid

Analysis Batch: 26436

	Sample Sa	ample Spike	MS	MS				%Rec	
Analyte		ualifier Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	276	249	531.5	-	mg/Kg	_	103	90 - 110	

Lab Sample ID: 880-15143-11 MSD Client Sample ID: CS-11 (3.5') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 26436

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	276		249	532.3		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-26274/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 26502

мв мв

Analyte	Result	Qualifier	RL	MDL U	nit D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		g/Kg		05/30/22 01:27	1

Lab Sample ID: LCS 880-26274/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 26502

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	259.7		ma/Ka	_	104	90 110	

Lab Sample ID: LCSD 880-26274/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 26502

	Spike	LCSD	LCSD			%Rec		RPD
Analyte	Added	Result	Qualifier	Unit D	%Rec	Limits	RPD	Limit
Chloride	250	269.2		mg/Kg	108	90 - 110	4	20

Lab Sample ID: 880-15143-21 MS Client Sample ID: SW-6 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 26502

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	51.2		250	299.1		mg/Kg		99	90 - 110	

Lab Sample ID: 880-15143-21 MSD Client Sample ID: SW-6 **Prep Type: Soluble**

Matrix: Solid

Released to Imaging: 10/13/2023 2:42:51 PM

Analysis Batch: 26502											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	51.2		250	308.0		mg/Kg		103	90 - 110	3	20

QC Association Summary

Client: NT Global Job ID: 880-15143-1
Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 26208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-1	CS-1 (1')	Total/NA	Solid	8021B	26279
880-15143-2	CS-2 (1')	Total/NA	Solid	8021B	26279
880-15143-3	CS-3 (1')	Total/NA	Solid	8021B	26279
880-15143-4	CS-4 (1')	Total/NA	Solid	8021B	26279
880-15143-5	CS-5 (1')	Total/NA	Solid	8021B	26279
880-15143-6	CS-6 (1')	Total/NA	Solid	8021B	26279
880-15143-7	CS-7 (1')	Total/NA	Solid	8021B	26279
880-15143-8	CS-8 (1')	Total/NA	Solid	8021B	26279
880-15143-9	CS-9 (1')	Total/NA	Solid	8021B	26279
880-15143-10	CS-10 (3.5')	Total/NA	Solid	8021B	26279
MB 880-26279/5-A	Method Blank	Total/NA	Solid	8021B	26279
LCS 880-26279/1-A	Lab Control Sample	Total/NA	Solid	8021B	26279
LCSD 880-26279/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	26279
880-15143-1 MS	CS-1 (1')	Total/NA	Solid	8021B	26279
880-15143-1 MSD	CS-1 (1')	Total/NA	Solid	8021B	26279

Prep Batch: 26279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-1	CS-1 (1')	Total/NA	Solid	5035	
880-15143-2	CS-2 (1')	Total/NA	Solid	5035	
880-15143-3	CS-3 (1')	Total/NA	Solid	5035	
880-15143-4	CS-4 (1')	Total/NA	Solid	5035	
880-15143-5	CS-5 (1')	Total/NA	Solid	5035	
880-15143-6	CS-6 (1')	Total/NA	Solid	5035	
880-15143-7	CS-7 (1')	Total/NA	Solid	5035	
880-15143-8	CS-8 (1')	Total/NA	Solid	5035	
880-15143-9	CS-9 (1')	Total/NA	Solid	5035	
880-15143-10	CS-10 (3.5')	Total/NA	Solid	5035	
MB 880-26279/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-26279/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-26279/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15143-1 MS	CS-1 (1')	Total/NA	Solid	5035	
880-15143-1 MSD	CS-1 (1')	Total/NA	Solid	5035	

Prep Batch: 26303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-22	SW-7	Total/NA	Solid	5035	
880-15143-23	SW-8	Total/NA	Solid	5035	
880-15143-24	SW-9	Total/NA	Solid	5035	
880-15143-25	SW-10	Total/NA	Solid	5035	
880-15143-26	SW-11	Total/NA	Solid	5035	
880-15143-27	SW-12	Total/NA	Solid	5035	
MB 880-26303/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-26303/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-26303/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15142-A-6-D MS	Matrix Spike	Total/NA	Solid	5035	
880-15142-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 26337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-1	CS-1 (1')	Total/NA	Solid	Total BTEX	

Eurofins Midland

Page 41 of 64

QC Association Summary

Client: NT Global Job ID: 880-15143-1
Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 26337 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-15143-2	CS-2 (1')	Total/NA	Solid	Total BTEX	
880-15143-3	CS-3 (1')	Total/NA	Solid	Total BTEX	
880-15143-4	CS-4 (1')	Total/NA	Solid	Total BTEX	
880-15143-5	CS-5 (1')	Total/NA	Solid	Total BTEX	
880-15143-6	CS-6 (1')	Total/NA	Solid	Total BTEX	
880-15143-7	CS-7 (1')	Total/NA	Solid	Total BTEX	
880-15143-8	CS-8 (1')	Total/NA	Solid	Total BTEX	
880-15143-9	CS-9 (1')	Total/NA	Solid	Total BTEX	
880-15143-10	CS-10 (3.5')	Total/NA	Solid	Total BTEX	
880-15143-11	CS-11 (3.5')	Total/NA	Solid	Total BTEX	
880-15143-12	CS-12 (3.5')	Total/NA	Solid	Total BTEX	
880-15143-13	CS-13 (1')	Total/NA	Solid	Total BTEX	
880-15143-14	CS-14 (1')	Total/NA	Solid	Total BTEX	
880-15143-15	CS-15 (1')	Total/NA	Solid	Total BTEX	
880-15143-16	SW-1	Total/NA	Solid	Total BTEX	
880-15143-17	SW-2	Total/NA	Solid	Total BTEX	
880-15143-18	SW-3	Total/NA	Solid	Total BTEX	
880-15143-19	SW-4	Total/NA	Solid	Total BTEX	
880-15143-20	SW-5	Total/NA	Solid	Total BTEX	
880-15143-21	SW-6	Total/NA	Solid	Total BTEX	
880-15143-22	SW-7	Total/NA	Solid	Total BTEX	
880-15143-23	SW-8	Total/NA	Solid	Total BTEX	
880-15143-24	SW-9	Total/NA	Solid	Total BTEX	
880-15143-25	SW-10	Total/NA	Solid	Total BTEX	
880-15143-26	SW-11	Total/NA	Solid	Total BTEX	
880-15143-27	SW-12	Total/NA	Solid	Total BTEX	
880-15143-28	SW-13	Total/NA	Solid	Total BTEX	

Prep Batch: 26347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-11	CS-11 (3.5')	Total/NA	Solid	5035	
880-15143-12	CS-12 (3.5')	Total/NA	Solid	5035	
880-15143-13	CS-13 (1')	Total/NA	Solid	5035	
880-15143-14	CS-14 (1')	Total/NA	Solid	5035	
880-15143-15	CS-15 (1')	Total/NA	Solid	5035	
880-15143-16	SW-1	Total/NA	Solid	5035	
880-15143-17	SW-2	Total/NA	Solid	5035	
880-15143-18	SW-3	Total/NA	Solid	5035	
880-15143-19	SW-4	Total/NA	Solid	5035	
880-15143-20	SW-5	Total/NA	Solid	5035	
MB 880-26347/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-26347/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-26347/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15143-11 MS	CS-11 (3.5')	Total/NA	Solid	5035	
880-15143-11 MSD	CS-11 (3.5')	Total/NA	Solid	5035	

Prep Batch: 26358

Lah Sample ID Client Sample ID						
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
880-15143-21	SW-6	Total/NA	Solid	5035		
880-15143-28	SW-13	Total/NA	Solid	5035		

QC Association Summary

Client: NT Global Job ID: 880-15143-1
Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 26367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-11	CS-11 (3.5')	Total/NA	Solid	8021B	26347
880-15143-12	CS-12 (3.5')	Total/NA	Solid	8021B	26347
880-15143-13	CS-13 (1')	Total/NA	Solid	8021B	26347
880-15143-14	CS-14 (1')	Total/NA	Solid	8021B	26347
880-15143-15	CS-15 (1')	Total/NA	Solid	8021B	26347
880-15143-16	SW-1	Total/NA	Solid	8021B	26347
880-15143-17	SW-2	Total/NA	Solid	8021B	26347
880-15143-18	SW-3	Total/NA	Solid	8021B	26347
880-15143-19	SW-4	Total/NA	Solid	8021B	26347
880-15143-20	SW-5	Total/NA	Solid	8021B	26347
MB 880-26347/5-A	Method Blank	Total/NA	Solid	8021B	26347
LCS 880-26347/1-A	Lab Control Sample	Total/NA	Solid	8021B	26347
LCSD 880-26347/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	26347
880-15143-11 MS	CS-11 (3.5')	Total/NA	Solid	8021B	26347
880-15143-11 MSD	CS-11 (3.5')	Total/NA	Solid	8021B	26347

Analysis Batch: 26372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-21	SW-6	Total/NA	Solid	8021B	26358
880-15143-22	SW-7	Total/NA	Solid	8021B	26303
880-15143-23	SW-8	Total/NA	Solid	8021B	26303
880-15143-24	SW-9	Total/NA	Solid	8021B	26303
880-15143-25	SW-10	Total/NA	Solid	8021B	26303
880-15143-26	SW-11	Total/NA	Solid	8021B	26303
880-15143-27	SW-12	Total/NA	Solid	8021B	26303
880-15143-28	SW-13	Total/NA	Solid	8021B	26358
MB 880-26303/5-A	Method Blank	Total/NA	Solid	8021B	26303
LCS 880-26303/1-A	Lab Control Sample	Total/NA	Solid	8021B	26303
LCSD 880-26303/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	26303
880-15142-A-6-D MS	Matrix Spike	Total/NA	Solid	8021B	26303
880-15142-A-6-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	26303

GC Semi VOA

Prep Batch: 26186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-14	CS-14 (1')	Total/NA	Solid	8015NM Prep	
880-15143-15	CS-15 (1')	Total/NA	Solid	8015NM Prep	
880-15143-16	SW-1	Total/NA	Solid	8015NM Prep	
880-15143-17	SW-2	Total/NA	Solid	8015NM Prep	
880-15143-18	SW-3	Total/NA	Solid	8015NM Prep	
880-15143-19	SW-4	Total/NA	Solid	8015NM Prep	
880-15143-20	SW-5	Total/NA	Solid	8015NM Prep	
880-15143-21	SW-6	Total/NA	Solid	8015NM Prep	
880-15143-22	SW-7	Total/NA	Solid	8015NM Prep	
880-15143-23	SW-8	Total/NA	Solid	8015NM Prep	
880-15143-24	SW-9	Total/NA	Solid	8015NM Prep	
880-15143-25	SW-10	Total/NA	Solid	8015NM Prep	
MB 880-26186/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26186/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26186/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Midland

Page 43 of 64

Client: NT Global Job ID: 880-15143-1 Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 26186 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15094-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-15094-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 26209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-1	CS-1 (1')	Total/NA	Solid	8015B NM	26276
880-15143-2	CS-2 (1')	Total/NA	Solid	8015B NM	26276
880-15143-3	CS-3 (1')	Total/NA	Solid	8015B NM	26276
880-15143-4	CS-4 (1')	Total/NA	Solid	8015B NM	26276
880-15143-5	CS-5 (1')	Total/NA	Solid	8015B NM	26276
880-15143-6	CS-6 (1')	Total/NA	Solid	8015B NM	26276
880-15143-7	CS-7 (1')	Total/NA	Solid	8015B NM	26276
880-15143-8	CS-8 (1')	Total/NA	Solid	8015B NM	26276
880-15143-14	CS-14 (1')	Total/NA	Solid	8015B NM	26186
880-15143-15	CS-15 (1')	Total/NA	Solid	8015B NM	26186
880-15143-16	SW-1	Total/NA	Solid	8015B NM	26186
880-15143-17	SW-2	Total/NA	Solid	8015B NM	26186
880-15143-18	SW-3	Total/NA	Solid	8015B NM	26186
880-15143-19	SW-4	Total/NA	Solid	8015B NM	26186
880-15143-20	SW-5	Total/NA	Solid	8015B NM	26186
880-15143-21	SW-6	Total/NA	Solid	8015B NM	26186
880-15143-22	SW-7	Total/NA	Solid	8015B NM	26186
880-15143-23	SW-8	Total/NA	Solid	8015B NM	26186
880-15143-24	SW-9	Total/NA	Solid	8015B NM	26186
880-15143-25	SW-10	Total/NA	Solid	8015B NM	26186
MB 880-26186/1-A	Method Blank	Total/NA	Solid	8015B NM	26186
MB 880-26276/1-A	Method Blank	Total/NA	Solid	8015B NM	26276
LCS 880-26186/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26186
LCS 880-26276/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26276
LCSD 880-26186/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26186
_CSD 880-26276/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26276
880-15094-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	26186
880-15094-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	26186
880-15143-1 MS	CS-1 (1')	Total/NA	Solid	8015B NM	26276
880-15143-1 MSD	CS-1 (1')	Total/NA	Solid	8015B NM	26276

Analysis Batch: 26212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-9	CS-9 (1')	Total/NA	Solid	8015B NM	26276
880-15143-10	CS-10 (3.5')	Total/NA	Solid	8015B NM	26276
880-15143-11	CS-11 (3.5')	Total/NA	Solid	8015B NM	26276
880-15143-12	CS-12 (3.5')	Total/NA	Solid	8015B NM	26276
880-15143-26	SW-11	Total/NA	Solid	8015B NM	26236
880-15143-27	SW-12	Total/NA	Solid	8015B NM	26236
880-15143-28	SW-13	Total/NA	Solid	8015B NM	26236
MB 880-26236/1-A	Method Blank	Total/NA	Solid	8015B NM	26236
LCS 880-26236/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26236
LCSD 880-26236/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26236
880-15141-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	26236
880-15141-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	26236

Client: NT Global Job ID: 880-15143-1
Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

GC Semi VOA

Prep Batch: 26236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-26	SW-11	Total/NA	Solid	8015NM Prep	
880-15143-27	SW-12	Total/NA	Solid	8015NM Prep	
880-15143-28	SW-13	Total/NA	Solid	8015NM Prep	
MB 880-26236/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26236/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26236/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15141-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-15141-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 26276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-1	CS-1 (1')	Total/NA	Solid	8015NM Prep	
880-15143-2	CS-2 (1')	Total/NA	Solid	8015NM Prep	
880-15143-3	CS-3 (1')	Total/NA	Solid	8015NM Prep	
880-15143-4	CS-4 (1')	Total/NA	Solid	8015NM Prep	
880-15143-5	CS-5 (1')	Total/NA	Solid	8015NM Prep	
880-15143-6	CS-6 (1')	Total/NA	Solid	8015NM Prep	
880-15143-7	CS-7 (1')	Total/NA	Solid	8015NM Prep	
880-15143-8	CS-8 (1')	Total/NA	Solid	8015NM Prep	
880-15143-9	CS-9 (1')	Total/NA	Solid	8015NM Prep	
880-15143-10	CS-10 (3.5')	Total/NA	Solid	8015NM Prep	
880-15143-11	CS-11 (3.5')	Total/NA	Solid	8015NM Prep	
880-15143-12	CS-12 (3.5')	Total/NA	Solid	8015NM Prep	
MB 880-26276/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26276/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26276/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15143-1 MS	CS-1 (1')	Total/NA	Solid	8015NM Prep	
880-15143-1 MSD	CS-1 (1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 26299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-13	CS-13 (1')	Total/NA	Solid	8015B NM	26323
MB 880-26323/1-A	Method Blank	Total/NA	Solid	8015B NM	26323
LCS 880-26323/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26323
LCSD 880-26323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26323
880-15143-13 MS	CS-13 (1')	Total/NA	Solid	8015B NM	26323
880-15143-13 MSD	CS-13 (1')	Total/NA	Solid	8015B NM	26323

Analysis Batch: 26310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-1	CS-1 (1')	Total/NA	Solid	8015 NM	
880-15143-2	CS-2 (1')	Total/NA	Solid	8015 NM	
880-15143-3	CS-3 (1')	Total/NA	Solid	8015 NM	
880-15143-4	CS-4 (1')	Total/NA	Solid	8015 NM	
880-15143-5	CS-5 (1')	Total/NA	Solid	8015 NM	
880-15143-6	CS-6 (1')	Total/NA	Solid	8015 NM	
880-15143-7	CS-7 (1')	Total/NA	Solid	8015 NM	
880-15143-8	CS-8 (1')	Total/NA	Solid	8015 NM	
880-15143-9	CS-9 (1')	Total/NA	Solid	8015 NM	
880-15143-10	CS-10 (3.5')	Total/NA	Solid	8015 NM	
880-15143-11	CS-11 (3.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

Page 45 of 64

Client: NT Global Job ID: 880-15143-1
Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 26310 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-12	CS-12 (3.5')	Total/NA	Solid	8015 NM	_
880-15143-13	CS-13 (1')	Total/NA	Solid	8015 NM	
880-15143-14	CS-14 (1')	Total/NA	Solid	8015 NM	
880-15143-15	CS-15 (1')	Total/NA	Solid	8015 NM	
880-15143-16	SW-1	Total/NA	Solid	8015 NM	
880-15143-17	SW-2	Total/NA	Solid	8015 NM	
880-15143-18	SW-3	Total/NA	Solid	8015 NM	
880-15143-19	SW-4	Total/NA	Solid	8015 NM	
880-15143-20	SW-5	Total/NA	Solid	8015 NM	
880-15143-21	SW-6	Total/NA	Solid	8015 NM	
880-15143-22	SW-7	Total/NA	Solid	8015 NM	
880-15143-23	SW-8	Total/NA	Solid	8015 NM	
880-15143-24	SW-9	Total/NA	Solid	8015 NM	
880-15143-25	SW-10	Total/NA	Solid	8015 NM	
880-15143-26	SW-11	Total/NA	Solid	8015 NM	
880-15143-27	SW-12	Total/NA	Solid	8015 NM	
880-15143-28	SW-13	Total/NA	Solid	8015 NM	

Prep Batch: 26323

Client Sample ID	Prep Type	Matrix	Method	Prep Batch
CS-13 (1')	Total/NA	Solid	8015NM Prep	
Method Blank	Total/NA	Solid	8015NM Prep	
Lab Control Sample	Total/NA	Solid	8015NM Prep	
Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
CS-13 (1')	Total/NA	Solid	8015NM Prep	
CS-13 (1')	Total/NA	Solid	8015NM Prep	
	CS-13 (1') Method Blank Lab Control Sample Lab Control Sample Dup CS-13 (1')	CS-13 (1') Method Blank Lab Control Sample Total/NA Lab Control Sample Dup CS-13 (1') Total/NA Total/NA	CS-13 (1') Method Blank Lab Control Sample Lab Control Sample Dup CS-13 (1') Total/NA Solid Total/NA Solid CS-13 (1') Total/NA Solid CS-13 (1')	CS-13 (1') Method Blank Lab Control Sample Lab Control Sample Dup CS-13 (1') Total/NA Total/NA Solid 8015NM Prep CS-13 (1')

HPLC/IC

Leach Batch: 26274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-21	SW-6	Soluble	Solid	DI Leach	
880-15143-22	SW-7	Soluble	Solid	DI Leach	
880-15143-23	SW-8	Soluble	Solid	DI Leach	
880-15143-24	SW-9	Soluble	Solid	DI Leach	
880-15143-25	SW-10	Soluble	Solid	DI Leach	
880-15143-26	SW-11	Soluble	Solid	DI Leach	
880-15143-27	SW-12	Soluble	Solid	DI Leach	
880-15143-28	SW-13	Soluble	Solid	DI Leach	
MB 880-26274/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26274/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26274/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15143-21 MS	SW-6	Soluble	Solid	DI Leach	
880-15143-21 MSD	SW-6	Soluble	Solid	DI Leach	

Leach Batch: 26275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-1	CS-1 (1')	Soluble	Solid	DI Leach	
880-15143-2	CS-2 (1')	Soluble	Solid	DI Leach	
880-15143-3	CS-3 (1')	Soluble	Solid	DI Leach	
880-15143-4	CS-4 (1')	Soluble	Solid	DI Leach	

Eurofins Midland

2

3

6

8

9

11

12

. .

Client: NT Global Job ID: 880-15143-1
Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 26275 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-5	CS-5 (1')	Soluble	Solid	DI Leach	_
880-15143-6	CS-6 (1')	Soluble	Solid	DI Leach	
880-15143-7	CS-7 (1')	Soluble	Solid	DI Leach	
880-15143-8	CS-8 (1')	Soluble	Solid	DI Leach	
880-15143-9	CS-9 (1')	Soluble	Solid	DI Leach	
880-15143-10	CS-10 (3.5')	Soluble	Solid	DI Leach	
880-15143-11	CS-11 (3.5')	Soluble	Solid	DI Leach	
880-15143-12	CS-12 (3.5')	Soluble	Solid	DI Leach	
880-15143-13	CS-13 (1')	Soluble	Solid	DI Leach	
880-15143-14	CS-14 (1')	Soluble	Solid	DI Leach	
880-15143-15	CS-15 (1')	Soluble	Solid	DI Leach	
880-15143-16	SW-1	Soluble	Solid	DI Leach	
880-15143-17	SW-2	Soluble	Solid	DI Leach	
880-15143-18	SW-3	Soluble	Solid	DI Leach	
880-15143-19	SW-4	Soluble	Solid	DI Leach	
880-15143-20	SW-5	Soluble	Solid	DI Leach	
MB 880-26275/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26275/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26275/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15143-1 MS	CS-1 (1')	Soluble	Solid	DI Leach	
880-15143-1 MSD	CS-1 (1')	Soluble	Solid	DI Leach	
880-15143-11 MS	CS-11 (3.5')	Soluble	Solid	DI Leach	
880-15143-11 MSD	CS-11 (3.5')	Soluble	Solid	DI Leach	

Analysis Batch: 26436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-1	CS-1 (1')	Soluble	Solid	300.0	26275
880-15143-2	CS-2 (1')	Soluble	Solid	300.0	26275
880-15143-3	CS-3 (1')	Soluble	Solid	300.0	26275
880-15143-4	CS-4 (1')	Soluble	Solid	300.0	26275
880-15143-5	CS-5 (1')	Soluble	Solid	300.0	26275
880-15143-6	CS-6 (1')	Soluble	Solid	300.0	26275
880-15143-7	CS-7 (1')	Soluble	Solid	300.0	26275
880-15143-8	CS-8 (1')	Soluble	Solid	300.0	26275
880-15143-9	CS-9 (1')	Soluble	Solid	300.0	26275
880-15143-10	CS-10 (3.5')	Soluble	Solid	300.0	26275
880-15143-11	CS-11 (3.5')	Soluble	Solid	300.0	26275
880-15143-12	CS-12 (3.5')	Soluble	Solid	300.0	26275
880-15143-13	CS-13 (1')	Soluble	Solid	300.0	26275
880-15143-14	CS-14 (1')	Soluble	Solid	300.0	26275
880-15143-15	CS-15 (1')	Soluble	Solid	300.0	26275
880-15143-16	SW-1	Soluble	Solid	300.0	26275
880-15143-17	SW-2	Soluble	Solid	300.0	26275
880-15143-18	SW-3	Soluble	Solid	300.0	26275
880-15143-19	SW-4	Soluble	Solid	300.0	26275
880-15143-20	SW-5	Soluble	Solid	300.0	26275
MB 880-26275/1-A	Method Blank	Soluble	Solid	300.0	26275
LCS 880-26275/2-A	Lab Control Sample	Soluble	Solid	300.0	26275
LCSD 880-26275/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26275
880-15143-1 MS	CS-1 (1')	Soluble	Solid	300.0	26275
880-15143-1 MSD	CS-1 (1')	Soluble	Solid	300.0	26275

Eurofins Midland

1

3

4

6

8

10

12

13

Released to Imaging: 10/13/2023 2:42:51 PM

Client: NT Global Job ID: 880-15143-1 Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 26436 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-11 MS	CS-11 (3.5')	Soluble	Solid	300.0	26275
880-15143-11 MSD	CS-11 (3.5')	Soluble	Solid	300.0	26275

Analysis Batch: 26502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15143-21	SW-6	Soluble	Solid	300.0	26274
880-15143-22	SW-7	Soluble	Solid	300.0	26274
880-15143-23	SW-8	Soluble	Solid	300.0	26274
880-15143-24	SW-9	Soluble	Solid	300.0	26274
880-15143-25	SW-10	Soluble	Solid	300.0	26274
880-15143-26	SW-11	Soluble	Solid	300.0	26274
880-15143-27	SW-12	Soluble	Solid	300.0	26274
880-15143-28	SW-13	Soluble	Solid	300.0	26274
MB 880-26274/1-A	Method Blank	Soluble	Solid	300.0	26274
LCS 880-26274/2-A	Lab Control Sample	Soluble	Solid	300.0	26274
LCSD 880-26274/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26274
880-15143-21 MS	SW-6	Soluble	Solid	300.0	26274
880-15143-21 MSD	SW-6	Soluble	Solid	300.0	26274

Project/Site: Spica 25 Fed 1 (Spill #1)

Client Sample ID: CS-1 (1')

Lab Sample ID: 880-15143-1

Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

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			5.02 g	5 mL	26279	05/25/22 17:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26208	05/25/22 23:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26276	05/25/22 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26209	05/25/22 22:01	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 00:08	SC	XEN MID

Lab Sample ID: 880-15143-2

Client Sample ID: CS-2 (1') Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

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			5.04 g	5 mL	26279	05/25/22 17:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26208	05/26/22 00:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26276	05/25/22 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26209	05/25/22 23:05	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 00:32	SC	XEN MII

Lab Sample ID: 880-15143-3

Client Sample ID: CS-3 (1') Date Collected: 05/24/22 00:00

Matrix: Solid

Date Received: 05/25/22 17:05

	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	26279	05/25/22 17:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26208	05/26/22 00:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26276	05/25/22 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26209	05/25/22 23:26	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 00:39	SC	XEN MID

Client Sample ID: CS-4 (1') Date Collected: 05/24/22 00:00

Lab Sample ID: 880-15143-4

Matrix: Solid

Date	Received:	05/25/22	17:05

	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	26279	05/25/22 17:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26208	05/26/22 00:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-15143-4

Matrix: Solid

Client Sample ID: CS-4 (1') Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

	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			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26276	05/25/22 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26209	05/25/22 23:46	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 00:47	SC	XEN MID

Client Sample ID: CS-5 (1') Lab Sample ID: 880-15143-5 Date Collected: 05/24/22 00:00 **Matrix: Solid**

Date Received: 05/25/22 17:05

Batch Batch Dil Initial Final Batch Prepared or Analyzed Prep Type Method Amount Amount Number Type Run Factor Analyst Lab 5035 Total/NA Prep 5.04 g 5 mL 26279 05/25/22 17:05 MR XEN MID Total/NA Analysis 8021B 5 mL 5 mL 26208 05/26/22 01:16 MR XEN MID 1 Total/NA Total BTEX Analysis 1 26337 05/26/22 10:14 SM XEN MID Total/NA Analysis 8015 NM 26310 05/26/22 09:12 SM XEN MID 1 Total/NA Prep 8015NM Prep 10.02 g 10 mL 26276 05/25/22 13:31 DM XEN MID Total/NA Analysis 8015B NM 26209 05/26/22 00:07 SM XEN MID 1 Soluble Leach DI Leach 5.04 g 50 mL 26275 05/26/22 12:37 SC XEN MID Soluble Analysis 300.0 1 26436 05/29/22 00:55 SC XEN MID

Client Sample ID: CS-6 (1') Lab Sample ID: 880-15143-6 Date Collected: 05/24/22 00:00 **Matrix: Solid**

Date Received: 05/25/22 17:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26279	05/25/22 17:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26208	05/26/22 01:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26276	05/25/22 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26209	05/26/22 00:27	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 01:19	SC	XEN MID

Client Sample ID: CS-7 (1') Lab Sample ID: 880-15143-7

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	26279	05/25/22 17:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26208	05/26/22 01:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.00 g	10 mL	26276 26209	05/25/22 13:31 05/26/22 00:48	DM SM	XEN MID XEN MID

Eurofins Midland

Matrix: Solid

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-15143-7

Matrix: Solid

Client Sample ID: CS-7 (1') Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 01:27	SC	XEN MID

Client Sample ID: CS-8 (1') Lab Sample ID: 880-15143-8

Date Collected: 05/24/22 00:00 **Matrix: Solid**

Date Received: 05/25/22 17:05

	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	26279	05/25/22 17:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26208	05/26/22 02:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26276	05/25/22 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26209	05/26/22 06:48	SM	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 01:35	SC	XEN MID

Client Sample ID: CS-9 (1') Lab Sample ID: 880-15143-9

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

	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	26279	05/25/22 17:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26208	05/26/22 02:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26276	05/25/22 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26212	05/25/22 20:57	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 01:43	SC	XEN MID

Client Sample ID: CS-10 (3.5') Lab Sample ID: 880-15143-10

Date Collected: 05/24/22 00:00 **Matrix: Solid** Date Received: 05/25/22 17:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	26279	05/25/22 17:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26208	05/26/22 02:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26276	05/25/22 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26212	05/25/22 21:19	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 01:50	SC	XEN MID

Eurofins Midland

Matrix: Solid

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (3.5')

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05 Lab Sample ID: 880-15143-11

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	26347	05/26/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26367	05/26/22 16:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26276	05/25/22 13:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26212	05/25/22 21:40	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 01:58	SC	XEN MID

Client Sample ID: CS-12 (3.5')

Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

Lab Sample ID: 880-15143-12

Matrix: Solid

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 26347 Total/NA 4.96 g 05/26/22 11:13 MR XEN MID 5 mL Total/NA 8021B 05/26/22 17:32 XEN MID Analysis 1 26367 MR Total/NA Total BTEX 26337 05/26/22 10:14 XEN MID Analysis 1 SM Total/NA Analysis 8015 NM 26310 05/26/22 09:12 SM XEN MID Total/NA 26276 XEN MID Prep 8015NM Prep 10.03 g 05/25/22 13:31 DM 10 mL Total/NA Analysis 8015B NM 26212 05/25/22 22:01 SM XEN MID Soluble 26275 SC XEN MID Leach DI Leach 4.96 g 50 mL 05/26/22 12:37 Soluble Analysis 300.0 26436 05/29/22 02:22 SC XEN MID

Client Sample ID: CS-13 (1')

Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

Lab Sample ID: 880-15143-13

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			5.01 g	5 mL	26347	05/26/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26367	05/26/22 17:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26323	05/26/22 09:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26299	05/26/22 12:21	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 02:30	SC	XEN MID

Client Sample ID: CS-14 (1')

Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

Lab Sample ID: 880-15143-14

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	26347	05/26/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26367	05/26/22 18:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Client Sample ID: CS-14 (1')

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05 Lab Sample ID: 880-15143-14

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	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26186	05/25/22 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26209	05/25/22 15:51	SM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 02:54	SC	XEN MID

Client Sample ID: CS-15 (1') Lab Sample ID: 880-15143-15

Initial

Final

Batch

Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

Batch

Batch

	Prepared		
er	or Analyzed	Analyst	Lab
	05/26/22 11:13	MR	XEN MID
	05/26/22 18:34	MR	XEN MID
	05/26/22 10:14	SM	XEN MID

Prep Type Method Amount Amount Numbe Type Run Factor 5035 Total/NA Prep 5.03 g 5 mL 26347 Total/NA Analysis 8021B 26367 1 Total/NA Total BTEX Analysis 1 26337 Total/NA Analysis 8015 NM 26310 XEN MID 05/26/22 09:12 SM Total/NA Prep 8015NM Prep 10.01 g 10 mL 26186 05/25/22 10:00 DM XEN MID Total/NA Analysis 8015B NM 26209 05/25/22 16:13 SM XEN MID Soluble Leach DI Leach 5.01 g 50 mL 26275 05/26/22 12:37 SC XEN MID Soluble Analysis 300.0 1 26436 05/29/22 03:02 SC XEN MID

Dil

Client Sample ID: SW-1 Lab Sample ID: 880-15143-16

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	26347	05/26/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26367	05/26/22 18:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26186	05/25/22 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26209	05/25/22 17:00	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 03:09	SC	XEN MID

Client Sample ID: SW-2 Lab Sample ID: 880-15143-17

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	26347	05/26/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26367	05/26/22 19:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26186	05/25/22 10:00	DM	XEN MID
Total/NA	Δnalveis	8015B NM		1			26209	05/25/22 17:21	SM	XEN MID

Eurofins Midland

Matrix: Solid

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Client Sample ID: SW-2

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05 Lab Sample ID: 880-15143-17

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 03:17	SC	XEN MID

Client Sample ID: SW-3 Lab Sample ID: 880-15143-18

Date Collected: 05/24/22 00:00

Matrix: Solid

Date Received: 05/25/22 17:05

	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	26347	05/26/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26367	05/26/22 19:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26186	05/25/22 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26209	05/25/22 17:43	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/30/22 09:53	SC	XEN MID

Client Sample ID: SW-4 Lab Sample ID: 880-15143-19

Date Collected: 05/24/22 00:00

Matrix: Solid

Date Received: 05/25/22 17:05

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			5.02 g	5 mL	26347	05/26/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26367	05/26/22 20:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26186	05/25/22 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26209	05/25/22 18:05	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 03:26	SC	XEN MID

Client Sample ID: SW-5 Lab Sample ID: 880-15143-20

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

	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	26347	05/26/22 11:13	MR	XEN MID
Total/NA	Analysis	8021B		1			26367	05/26/22 20:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	26186	05/25/22 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26209	05/25/22 18:26	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26275	05/26/22 12:37	SC	XEN MID
Soluble	Analysis	300.0		1			26436	05/29/22 03:34	SC	XEN MID

Project/Site: Spica 25 Fed 1 (Spill #1)

Date Received: 05/25/22 17:05

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Client Sample ID: SW-6 Lab Sample ID: 880-15143-21 Date Collected: 05/24/22 00:00

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 4.96 g 5 mL 26358 05/26/22 16:00 MR XEN MID Total/NA Analysis 8021B 1 5 mL 5 mL 26372 05/27/22 13:32 MR XEN MID Total/NA Analysis Total BTEX 26337 05/26/22 10:14 SM XEN MID Total/NA Analysis 8015 NM 1 26310 05/26/22 09:12 SM XEN MID 10 mL 26186 XEN MID Total/NA 8015NM Prep 10.03 g 05/25/22 10:00 DM Prep Total/NA Analysis 8015B NM 26209 05/25/22 18:48 SM XEN MID 50 mL 26274 05/26/22 12:35 SC XEN MID Soluble DI Leach 5 g Leach Soluble Analysis 300.0 26502 05/30/22 01:46 SC XEN MID

Client Sample ID: SW-7 Lab Sample ID: 880-15143-22

Date Collected: 05/24/22 00:00 Matrix: Solid

Date Received: 05/25/22 17:05

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Lab **Analyst** Total/NA Prep 5035 4.97 g 5 mL 26303 05/26/22 08:16 MR XEN MID 8021B Total/NA Analysis 1 5 mL 5 mL 26372 05/27/22 00:15 MR XEN MID Total/NA Total BTEX 26337 Analysis 05/26/22 10:14 SM XEN MID 1 Total/NA Analysis 8015 NM 26310 05/26/22 09:12 SM XEN MID 26186 Total/NA 8015NM Prep 10.01 g 05/25/22 10:00 DM XEN MID Prep 10 mL Total/NA Analysis 8015B NM 26209 05/25/22 19:10 SM XEN MID Soluble DI Leach 5.05 g 50 mL 26274 05/26/22 12:35 SC **XEN MID** Leach Soluble Analysis 300.0 1 26502 05/30/22 02:05 SC XEN MID

Client Sample ID: SW-8 Lab Sample ID: 880-15143-23

Date Collected: 05/24/22 00:00 **Matrix: Solid** Date Received: 05/25/22 17:05

	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	26303	05/26/22 08:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26372	05/27/22 00:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26186	05/25/22 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26209	05/25/22 19:31	SM	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	26274	05/26/22 12:35	SC	XEN MID
Soluble	Analysis	300.0		1			26502	05/30/22 02:11	SC	XEN MID

Client Sample ID: SW-9 Lab Sample ID: 880-15143-24

Date Collected: 05/24/22 00:00 **Matrix: Solid** Date Received: 05/25/22 17:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	26303	05/26/22 08:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26372	05/27/22 00:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Client Sample ID: SW-9

Lab Sample ID: 880-15143-24

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05 Matrix: Solid

	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			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26186	05/25/22 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26209	05/25/22 19:53	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26274	05/26/22 12:35	SC	XEN MID
Soluble	Analysis	300.0		1			26502	05/30/22 02:18	SC	XEN MID

Lab Sample ID: 880-15143-25

Client Sample ID: SW-10 Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05

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	26303	05/26/22 08:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26372	05/27/22 01:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26186	05/25/22 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26209	05/25/22 20:14	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	26274	05/26/22 12:35	SC	XEN MID
Soluble	Analysis	300.0		1			26502	05/30/22 02:24	SC	XEN MID

Client Sample ID: SW-11 Lab Sample ID: 880-15143-26 Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

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			4.96 g	5 mL	26303	05/26/22 08:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26372	05/27/22 01:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26236	05/25/22 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26212	05/25/22 19:31	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26274	05/26/22 12:35	SC	XEN MID
Soluble	Analysis	300.0		1			26502	05/30/22 02:43	SC	XEN MID

Lab Sample ID: 880-15143-27 Client Sample ID: SW-12

Date Collected: 05/24/22 00:00 Date Received: 05/25/22 17:05 **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	26303	05/26/22 08:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26372	05/27/22 01:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	26236	05/25/22 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26212	05/25/22 19:53	SM	XEN MID

Project/Site: Spica 25 Fed 1 (Spill #1)

Client Sample ID: SW-12

Date Collected: 05/24/22 00:00

Date Received: 05/25/22 17:05

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-15143-27

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	26274	05/26/22 12:35	SC	XEN MID
Soluble	Analysis	300.0		1			26502	05/30/22 02:49	SC	XEN MID

Client Sample ID: SW-13 Lab Sample ID: 880-15143-28

Date Collected: 05/24/22 00:00 **Matrix: Solid**

Date Received: 05/25/22 17:05

	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	26358	05/26/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26372	05/27/22 13:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26337	05/26/22 10:14	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26310	05/26/22 09:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26236	05/25/22 10:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26212	05/25/22 20:14	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26274	05/26/22 12:35	SC	XEN MID
Soluble	Analysis	300.0		1			26502	05/30/22 02:56	SC	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: 880-15143-1
Project/Site: Spica 25 Fed 1 (Spill #1) SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-21-22	06-30-22
The fellowing and have				
the agency does not of	• '	it the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes for
,	• '	it the laboratory is not certifi Matrix	ed by the governing authority. This list ma Analyte	ay include analytes for
the agency does not of	fer certification.	•	, , ,	ay include analytes for

Eurofins Midland

3

4

5

7

9

11

16

14

Method Summary

Client: NT Global

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1

SDG: Eddy County, New Mexico

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

Sample Summary

Client: NT Global

Project/Site: Spica 25 Fed 1 (Spill #1)

Job ID: 880-15143-1 SDG: Eddy County, New Mexico

: Eddy County, New Mexico	

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-15143-1	CS-1 (1')	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-2	CS-2 (1')	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-3	CS-3 (1')	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-4	CS-4 (1')	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-5	CS-5 (1')	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-6	CS-6 (1')	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-7	CS-7 (1')	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-8	CS-8 (1')	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-9	CS-9 (1')	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-10	CS-10 (3.5')	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-11	CS-11 (3.5')	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-12	CS-12 (3.5')	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-13	CS-13 (1')	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-14	CS-14 (1')	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-15	CS-15 (1')	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-16	SW-1	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-17	SW-2	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-18	SW-3	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-19	SW-4	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-20	SW-5	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-21	SW-6	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-22	SW-7	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-23	SW-8	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-24	SW-9	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-25	SW-10	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-26	SW-11	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-27	SW-12	Solid	05/24/22 00:00	05/25/22 17:05
880-15143-28	SW-13	Solid	05/24/22 00:00	05/25/22 17:05

4

6

Q

9

10

10

13

14

Wesley Mathews

Work Order Comments

Page



Revised Date 05012020 Rev 2020.1					6				A STATE OF THE STA					
					4	8		-						лω
) Paisi Illis	Companifical for presentation	100	(0.0)		2	γ	3		77	7			tart	1 Zica
	Received by: (Signature)	ature)	bv. (Signature)	Relinguished	D D	Date/Time	Date	<u> </u>	œ (e)	Received by: (Signature)	Received		r (Signature) ∖	Relinquished by: (Signature)
	d the control stlated.	tances beyond eviously nego	to circums d unless p	client if such losses are due to circumstances beyond the co These terms will be enforced unless previously negotiated.	client if suc	rred by the ot analyzed	enses incu nco, but no	ses or expo nitted to Xe	bility for any los ch sample subn	sume any respons charge of \$5 for ea	d shall not ass project and a	st of samples an applied to each	liable only for the co large of \$85.00 will be	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 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.
	conditions	ssigns standard terms and conditions	igns stand	entractors. It as	es and subco	, its affiliat	y to Xenco	nt compan	order from clie	es a valid purchas	ples constitut	uishment of sam	document and reling	Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It as
													Additional Comments:	Addition
					×	- - -		-	Comp	>		11 1		
					×	×	-		Comp	×		5/24/2022	3 5)	CS-10 (3 5)
Custody	880-15143 Chain of Custody				×	×	×	쁑	Comp	×		2/24/2022		Co-o (1)
					×	×	×	큠	Comp	×		5/24/2022	(1')	CS-/ (1')
					×	×	_ ×	큥	Comp	×		5/24/2022		CS-6 (1')
					×	×	×	mp 1	Comp	×		5/24/2022	(1')	CS-5 (1')
	, A.				×	×	×	mp 1	Comp	×		5/24/2022	(1')	CS-4 (1')
					×	×	×	mp 1	Comp	×		5/24/2022	(1')	CS-3 (1')
					×	×	×	mp 1	Comp	×		5/24/2022	(1')	CS-2 (1')
1100					×	×	×	mp 1	Comp	×		5/24/2022	(1')	CS-1 (1')
Sample Comments						TP	of nt	np Cont	Water Comp	Soil	Time	Date	tification	Sample Identification
NaOH+Ascorbic Acid SAPC	Z					H 80°				Corrected Temperature:	Corrected	10		Total Containers.
Zn Acetate+NaOH Zn	Zn				Ch	15M	В		17	Temperature Reading	Temperatu	No (N/A)	Yes	Sample Custody Seals
Na ₂ S ₂ O ₃ NaSO ₃	HO				lorid	(GR	TEX	L P	1.	Factor	Correction Factor	No (NIA)	Yes	Cooler Custody Seals
NaHSO ₄ NABIS					le 30	0+1			TH	iter ID	Thermometer ID:	No.	(Yes	Received Intact:
U	<u> </u>				0 0	DRO		nete	(Year) No	No) Wet Ice:	Yes No	emp Blank:		SAMPLE RECEIPT
v	H ₂					+ M		<u> </u>	lab if received by 4 30pm	lab if receiv		21015881	N	PO#.
	—————————————————————————————————————					RO)	owena.	he	ay received by t	TAT starts the day received by the		Nick Hart	7	Sampler's Name.
	Co							- Control of the Cont		Due Date		Eddy County, New Mexico	Eddy Cou	Project Location
None NO DI Water: H ₂ O	No						₽ ÿ	Pres.	Rush	Routine		225486		Project Number
Preservative Codes		LYSIS REQUEST	YSIS RI	ANA					Turn Around	Tun	#1)	Spica 25 Fed 1 (Spill #1)	Spica 25	Project Name:
☐ Other	Deliverables EDD ADaPT	Deliveral					vn com	iews@d	Wesley Mathews@dvn com	Email			254-266-5456	Phone
ST GRRP G Level IV	Reporting Level II Level III LPST/UST	Reportin			38210	Artesia NM 88210	Arte	5.002. S 11500 · · ·	City, State ZIP			8220	Carlsbad, NM 88220	City, State ZIP
	State of Project:	State of		way	6488 Seven Rivers Highway	8 Seven	648		Address.			le	402 E Wood Ave	Address.
elds	Program: UST/PST ∏PRP	Program			ly	Devon Energy	Dev		Company Name			ental	NTG Environmental	Company Name.

Work Order No: 1514

Page 61 of 64

Designat Management	
Ethon Cooning	NVIRONMENTAL

NTG Environmental

Company Name: Bill to. (if different)

Devon Energy Wesley Mathews

				0									5
				4	8	I	-				(ω
The state of the s	The state of the s			2	60	7	<u>S</u>		100K	1	1 /4	Hard	1 Zick
Date/Time	Received by: (Signature)		d by: (Signature)	Relinquished	le	Date/Time		٢	Received by: (Signature)	Received	-)	/ (Signature)	Relinquished by (Signature)
	54	usly negotiated	rced unless previously negotiated	terms will be enfor	alyzed. These	but not an	to Xenco,	h sample submitte	charge of \$5 for eac	roject and a	applied to each p	narge of \$85.00 will be	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 enfor
		terms and conditions	ssigns standard t	subcontractors. It as	ffiliates and s	enco, its a	mpany to X	order from client co ility for any losses	es a valid purchase sume any responsit	les constitut shall not as:	uishment of samp st of samples and	document and reling liable only for the co	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 haven the control
											. :	Additional Comments:	Additi
					×	×	1	Comp	×		5/24/2022	-5	SW-5
					×	×	_	Comp	×		5/24/2022	4	SW-4
					×	×	1	Comp	×		5/24/2022	-3	SW-3
					×	×	_	Comp	×		5/24/2022	-2	SW-2
					×	×	1	Comp	×		5/24/2022	-1	SW-1
					×	×	1	Comp	×		5/24/2022	(1')	CS-15 (1')
					×	×	1	Comp	×		5/24/2022	(1')	CS-14 (1')
					×	×	1	Comp	×		5/24/2022	3 (1')	CS-13 (1')
					×	×	1	Comp	×		5/24/2022	(3.5')	CS-12 (3 5')
					×	×	_	Comp	×		5/24/2022	(3.5')	CS-11 (3 5)
Sample Comments					TP		# of Cont	Water Comp	Soil	Time	Date	ntification	Sample Identification
NaOH+Ascorbic Acid SAPC	NaOH				H 80				Corrected Temperature:	Corrected	10		l otal Containers:
Zn Acetate+NaOH Zn	Zn Ac					В			Temperature Reading	Temperatu	No N/A	als. Yes	Sample Custody Seals
Na ₂ S ₂ O ₃ NaSO ₃	HO Na ₂ S ₂				(GR	TEX	Pá		Factor	Correction Factor	No N/A	Yes	Cooler Custody Seals
NaHSO, NABIS						802	ıran		iter ID	Thermometer ID	s No	Yes	Received Intact:
	H ₃ PO ₄ HP					1B	nete	Yes No	Wet Ice:	Yes No	Temp Blank:		SAMPLE RECEIPT
•	H ₂ S0 ₄ H ₂				+ M		rs	ed by 4 30pm	lab if received by 4 30pm		21015881		PO#.
3	HCL HC				RO)			y received by the	TAT starts the day received by the		Nick Hart		Sampler's Name:
_	Cool Cool								Due Date	cico	Eddy County, New Mexico	Eddy Cor	Project Location
NO DI Water: H ₂ O	None NO						Pres. Code	Rush	✓ Routine		225486		Project Number
Preservative Codes		JEST	ALYSIS REQUEST	A.		100		Turn Around	Tum	# 1)	Spica 25 Fed 1 (Spill #1)	Spica 25	Project Name:
Other	D ADaPT	Deliverables EDD				om	s@dvn c	Email: Wesley Mathews@dvn com	Email: V			254-266-5456	Phone:
☐RRP ☐ Level IV ☐	Reporting Level III Level III PST/UST	Reporting Level II			Artesia, NM 88210	Artesia,		City, State ZIP	6		38220	Carlsbad, NM 88220	City, State ZIP:
	İ	State of Project:		Highway	6488 Seven Rivers Highway	6488 Se		Address.	Α		ve	402 E Wood Ave	Address:
RRC _uperfund _	Program: UST/PST ☐PRP ☐Brownfields ☐RRC	Program: UST/P			nergy	Devon Energy		Company Name:	6		ental	NTG Environmental	Company Name:

Work
Order
No:
5
173

Work Order Comments

으 W

Revised Date 05012020 Rev 2020.1



Company Name.

NTG Environmental

Bill to. (if different) Company Name

Devon Energy Wesley Mathews

Work Order Comments

Page

잋

Company Name.	NIG Environmental	entai			Company Name.	3 -	Devo	Devon Energy	₹			Proc	Iram. U	Program, UST/PST PRP Brownfields RRC	۳ پ	wnfield			
Address	402 E Wood Ave	/e			Address.		6488	Seven	6488 Seven Rivers Highway	ghway		State	State of Project:	ject:	Ę		Į.		ر د د د
City, State ZIP	Carlsbad, NM 88220	38220			City, State ZIP		Artes	Artesia NM 88210	88210			Repo	orting Le	Reporting Level II Level III PST/UST TRRP	Ĭ	TSU/TS			Level IV
Phone	254-266-5456			Email	Wesley Mathews@dvn com	ws@dvn	com					Deliv	Deliverables. EDD	EDD	A	ADaPT 🗆	Other		
Project Name:	Spica 25	Spica 25 Fed 1 (Spill #1)	#1)	Ī	Turn Around						ANALYSIS REQUEST	REQUES	7				Preservative Codes	ative [
Project Number		225486		✓ Routine	Rush	Pres. Code										Non	None NO	D 0	DI Water: H ₋ O
Project Location	Eddy Cou	Eddy County, New Mexico	CO	Due Date											_	3	3	<u> </u>	L M
Sampler's Name.	7	Nick Hart		TAT starts the	TAT starts the day received by the	<u>" 1</u>	de estable	RO)								HO 6	HCI HC	H W	WEO! NE
PO#:	N	21015881		lab if rece	lab if received by 4 30pm			+ MF								H SC	H.SO. H.	N 12	NaOH Na
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No	eter	В	RO	0 0							ָם י	מייי בייי	i	Š
Received Intact:	Yes	s No	Thermometer ID:	eter ID:	- 1	ram	8021) + [30								NaHSO, NABIS	ñ	
Cooler Custody Seals	Yes	No N/A	Correction Factor	า Factor		Pa	EX	GRO	orid							HOI	Na.S.O. NaSO.	?	
Sample Custody Seals	Yes	No N/A	Temperat	Temperature Reading			В	5M (Chi								Zn Acetate+NaOH Zn	Ž HOM	
Total Containers.		10	Corrected	Corrected Temperature.				801				·				NaO	NaOH+Ascorbic Acid SAPC	ic Acid	SAPC
Sample Identification	tification	Date	Time	Soil	Water Comp	Cont		TPI				en de la composição de la					Sample Comments	Comm	lents
9-MS	6	5/24/2022		×	Comp	р 1	×	×	×							+			
SW-7	7	5/24/2022		×	Comp	<u>P</u>	×	×	×						_	_	100.00		
SW-8	8	5/24/2022		×	Comp	р 1	×	×	×							<u>,</u>	15100	, - 	
e-Ms	9	5/24/2022		×	Comp	р 1	×	×	×			_			_		141	W	
SW-10	Ō	5/24/2022		×	Comp	р 1	×	×	×						_				
SW-11		5/24/2022		×	Comp	p 1	×	×	×										
SW-12	2	5/24/2022		×	Comp	р 1	×	×	×								,		
SW-13	3	5/24/2022		×	Comp	<u> </u>	×	×	×										
Additic	Additional Comments:	:																	
Notice. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It 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 hosses are	document and reling	uishment of samp	les constitu	tes a valid purchas	se order from client sibility for any losse	company to	Xenco, i	ts affiliat	es and sub	contractors.	. It assigns standard terms and conditions	idard terms	and cone	iltions					
The second project and a visuage of second sample submitted to Aerico, but not analyzed. I nesse terms will be emorced unless previously negotiated.				olini de co estico e	acii saliilida subiliilid	ed to Velice	o, put not	analyze	i. Inese te	ms will be e	Inforced unless	previously r	negotiate						
٠ <u>٧</u>	(oignature)	1 1	Keceive	Received by (Signature)	Te)	1	Date/Time	Time		Relinquis	Relinquished by: (Signature)	mature)		Received by: (Signature)	/ (Sign	ature)		Date/Time	Time
NI C	L Har A	1	P 7	1	K	Ø	5	9	1)V										
n G							<u> </u>	100	4										
ŭ									6										

Work Order No:

16 M3

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global Job Number: 880-15143-1 SDG Number: Eddy County, New Mexico

•

Login Number: 15143 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	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

4

2

5

6

8

10

12

13

14

<6mm (1/4").



July 07, 2022

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SPICA 25 FED 1

Enclosed are the results of analyses for samples received by the laboratory on 07/01/22 14:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)

Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: SPICA 25 FED 1
Project Number: 225486 (SPILL 1)
Project Manager: ETHAN SESSUMS

Reported: 07-Jul-22 08:56

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 14	H222844-01	Soil	01-Jul-22 00:00	01-Jul-22 14:07
SW - 15	H222844-02	Soil	01-Jul-22 00:00	01-Jul-22 14:07
SW - 16	H222844-03	Soil	01-Jul-22 00:00	01-Jul-22 14:07
CS - 16 (1' BGS)	H222844-04	Soil	01-Jul-22 00:00	01-Jul-22 14:07

07/07/22 - Client changed the sample ID on -04 (See COC). This is the revised report and will replace the one sent on 07/05/22.

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: SPICA 25 FED 1
Project Number: 225486 (SPILL 1)
Project Manager: ETHAN SESSUMS

Reported: 07-Jul-22 08:56

Fax To:

SW - 14 H222844-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	2070525	AC	05-Jul-22	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %	69.9	-140	2070121	JH	02-Jul-22	8021B	
Petroleum Hydrocarbons by GO	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2070120	MS	02-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070120	MS	02-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070120	MS	02-Jul-22	8015B	
Surrogate: 1-Chlorooctane			81.5 %	43-	149	2070120	MS	02-Jul-22	8015B	
Surrogate: 1-Chlorooctadecane			98.4 %	42.5	-161	2070120	MS	02-Jul-22	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Reported:

07-Jul-22 08:56



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Project: SPICA 25 FED 1 Project Number: 225486 (SPILL 1) Project Manager: ETHAN SESSUMS

Fax To:

SW - 15 H222844-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2070525	AC	05-Jul-22	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2070121	JН	02-Jul-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	69.9	-140	2070121	JH	02-Jul-22	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2070120	MS	02-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070120	MS	02-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070120	MS	02-Jul-22	8015B	
Surrogate: 1-Chlorooctane			88.3 %	43-	149	2070120	MS	02-Jul-22	8015B	
Surrogate: 1-Chlorooctadecane			105 %	42.5	-161	2070120	MS	02-Jul-22	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: SPICA 25 FED 1
Project Number: 225486 (SPILL 1)
Project Manager: ETHAN SESSUMS

Reported: 07-Jul-22 08:56

Fax To:

SW - 16 H222844-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	2070525	AC	05-Jul-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	D)		103 %	69.9	-140	2070121	JH	02-Jul-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2070120	MS	02-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070120	MS	02-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070120	MS	02-Jul-22	8015B	
Surrogate: 1-Chlorooctane			88.6 %	43-	149	2070120	MS	02-Jul-22	8015B	
Surrogate: 1-Chlorooctadecane			103 %	42.5	-161	2070120	MS	02-Jul-22	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: SPICA 25 FED 1
Project Number: 225486 (SPILL 1)
Project Manager: ETHAN SESSUMS

Reported: 07-Jul-22 08:56

Fax To:

CS - 16 (1' BGS) H222844-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	2070525	AC	05-Jul-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2070121	JH	02-Jul-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		104 %	69.9	-140	2070121	JH	02-Jul-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2070120	MS	02-Jul-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2070120	MS	02-Jul-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2070120	MS	02-Jul-22	8015B	
Surrogate: 1-Chlorooctane			84.3 %	43-	149	2070120	MS	02-Jul-22	8015B	
Surrogate: 1-Chlorooctadecane			100 %	42.5	-161	2070120	MS	02-Jul-22	8015B	

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: SPICA 25 FED 1
Project Number: 225486 (SPILL 1)
Project Manager: ETHAN SESSUMS

Reported: 07-Jul-22 08:56

Fax To:

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Anaryte	Kesuit	Lillit	Ollits	Level	Kesuit	70KEC	Lillits	KFD	LIIIII	Notes
Batch 2070525 - 1:4 DI Water										
Blank (2070525-BLK1)				Prepared &	Analyzed:	05-Jul-22				
Chloride	ND	16.0	mg/kg							
LCS (2070525-BS1)				Prepared &	Analyzed:	05-Jul-22				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (2070525-BSD1)				Prepared &	Analyzed:	05-Jul-22				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Keene



%REC

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Project: SPICA 25 FED 1 Project Number: 225486 (SPILL 1) Project Manager: ETHAN SESSUMS

Spike

Source

Reported: 07-Jul-22 08:56

RPD

Fax To:

Reporting

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2070121 - Volatiles										
Blank (2070121-BLK1)				Prepared: 0	1-Jul-22 A	nalyzed: 02	2-Jul-22			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0514		mg/kg	0.0500		103	69.9-140			
LCS (2070121-BS1)				Prepared: 0	1-Jul-22 A	nalyzed: 02	2-Jul-22			
Benzene	2.14	0.050	mg/kg	2.00		107	83.4-122			
Toluene	2.10	0.050	mg/kg	2.00		105	84.2-126			
Ethylbenzene	2.07	0.050	mg/kg	2.00		104	84.2-121			
m,p-Xylene	4.26	0.100	mg/kg	4.00		107	89.9-126			
o-Xylene	2.02	0.050	mg/kg	2.00		101	84.3-123			
Total Xylenes	6.29	0.150	mg/kg	6.00		105	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0503		mg/kg	0.0500		101	69.9-140			
LCS Dup (2070121-BSD1)				Prepared: 0	1-Jul-22 A	nalyzed: 02	2-Jul-22			
Benzene	2.26	0.050	mg/kg	2.00		113	83.4-122	5.28	12.6	
Toluene	2.21	0.050	mg/kg	2.00		111	84.2-126	5.19	13.3	
Ethylbenzene	2.18	0.050	mg/kg	2.00		109	84.2-121	5.24	13.9	
m,p-Xylene	4.47	0.100	mg/kg	4.00		112	89.9-126	4.66	13.6	
o-Xylene	2.15	0.050	mg/kg	2.00		108	84.3-123	6.30	14.1	
Total Xylenes	6.62	0.150	mg/kg	6.00		110	89.1-124	5.19	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0496		mg/kg	0.0500		99.1	69.9-140			

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



%REC

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: SPICA 25 FED 1
Project Number: 225486 (SPILL 1)
Project Manager: ETHAN SESSUMS

Spike

Source

Reported: 07-Jul-22 08:56

RPD

Fax To:

Reporting

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2070120 - General Prep - Organics										
Blank (2070120-BLK1)				Prepared: (01-Jul-22 A	nalyzed: 02	2-Jul-22			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	41.0		mg/kg	50.0		81.9	43-149			
Surrogate: 1-Chlorooctadecane	47.9		mg/kg	50.0		95.9	42.5-161			
LCS (2070120-BS1)				Prepared &	k Analyzed:	01-Jul-22				
GRO C6-C10	215	10.0	mg/kg	200		107	78.5-128			
DRO >C10-C28	220	10.0	mg/kg	200		110	75.8-135			
Total TPH C6-C28	435	10.0	mg/kg	400		109	81.5-127			
Surrogate: 1-Chlorooctane	44.4		mg/kg	50.0		88.8	43-149			
Surrogate: 1-Chlorooctadecane	54.8		mg/kg	50.0		110	42.5-161			
LCS Dup (2070120-BSD1)				Prepared &	k Analyzed:	01-Jul-22				
GRO C6-C10	218	10.0	mg/kg	200		109	78.5-128	1.36	21.4	
DRO >C10-C28	219	10.0	mg/kg	200		109	75.8-135	0.463	17.9	
Total TPH C6-C28	436	10.0	mg/kg	400		109	81.5-127	0.442	17.6	
Surrogate: 1-Chlorooctane	46.4		mg/kg	50.0		92.9	43-149			
Surrogate: 1-Chlorooctadecane	56.3		mg/kg	50.0		113	42.5-161			

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

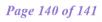
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene





		Page 140 o
	Project Manager:	
	Ethan Sessums	ENVIRONMENTAL S
Company Name:	Bill to: (if different)	
Devon Energy	Wesley Mathews	Cilaiii oi custody
Program: U		

Revised Date 05012020 Rev. 2020.1	Rev		2	0								Ch
~				D								6
	×			4				9	The state of the s	71/2010	13001	Lordan
				7 2	140	44-14		>	2	3	1	1
Date/Time	Received by: (Signature)	gnature)	Relinquished by: (Signature)	Rel	Date/Time	Dat		ignature)	Received by: (Signature)	Re	: (Signature)	Relinquished by:
	ated.	previously negotia	vill be enforced unless	These terms v	not analyzed.	o Xenco, but I	ole submitted t	\$5 for each sam	II not assume any ct and a charge of	amples and sha	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 true to characteristics by the client of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are true to characteristics. of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$8 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	of service. Xenco will be of Xenco. A minimum ch
	onditions the control	It assigns standard terms and conditions	ractors. It assigns star	s and subcont	o, its affiliate	pany to Xenc	rom client com	purchase order f	onstitutes a valid	ent of samples o	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors.	Notice: Signature of this
			(hza	7/6/	Ethan	asper	changed	5	* Sample	Additoinal Comments:	Addito
		-				-						
		+			+	-		-	<u> </u>	+		
				\perp	+	-		+				
		+			+	-				11		
										20 11		
				×	×	×	Comp		×	7/4/2022	(1,635)	* CS-16
		-		×	×	×	Comp		×	7/3/2022		SW-16
				×	×	×	Comp		×	7/2/2022		SW-15
				×	×	×	Comp		×	7/1/2022		SW-14
Sample Comments	Samp				TF	# of Cont	Grab/ Comp	I Water	Time Soil	Date Ti		Sample Identification
					РН 80			iture: W· 5	Corrected Temperature	Corr		Total Containers:
NaOH+Ascorbic Acid: SAPC	NaOH+Asco						in		Temperature Reading:	N/A Tem	Yes (No	Sample Custody Seals:
NaOH: Zn				Chlo	_		200	- 0.	Correction Factor:	N/A Corr	Yes No	Cooler Custody Seals:
SO ₃	HO Na,S,O ₃ : NaSO ₃			oride				7	Thermometer ID:		es N	Received Intact:
RIS	D NaHSO∴ NARIS			4500	+ DR	21B	No	ce: Yes	No Wet Ice		T Temp Blank:	SAMPLE RECEIPT
140011.140	12004-12)		ers	Sopiii	lab, ii received by 4.30piii	lab,			PO #:
NaOH: Na	HCC: HC				MRC		ed by the	TAT starts the day received by the	TAT star	yner	Jordan Tyner	Sampler's Name:
MeOH: Me	Cool: Cool	-))		SAMPE		Due Date:	ò	Eddy Co	Project Location
DI Water: H ₂ O	None: NO	-				Code		ne 🗸 Rush	Routine	6	225486	Project Number:
Preservative Codes	Preser	ALYSIS REQUEST	ANALYSIS R					Turn Around		1 (spill 1)	Spica 25 Fed 1 (spill 1)	Project Name:
	729	Deliverables				dvn.com	Wesley.Mathews@dvn.com	Email: Wesley	Е			Phone:
	ADSBT			017	Artesia, NM 88210	Апте	te ZIP:	City, State ZIP			Midland, TX 79706	City, State ZIP:
₹P	Reporting:Level II	Reporting:L						Addiess			/01 I radewinds BLVD	Address:
	roject:	State of Project:	Α .	6488 Seven Rivers Highway	Seven Riv	2422		2				Ivallic.
℃	Program: UST/PST ☐PRP ☐Brownfields ☐RRC	Program: \			Devon Energy	Dev	Name:	Company Name			NTG Environmental	
	Work Order Comments			VS	Wesley Mathews	Wes	different)	Bill to: (if different)			Ethan Sessums	
e L Pa	Page										IKUNNERIAL	
ge 1											6	
	Work Order No: Haday +											
											The second second	

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 219458

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	219458
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created B	/ Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2208052877 SPICA 25 FEDERAL 1H, thank you. This closure is approved.	10/13/2023