Received by OCD: 1/25/2023 10:34:45 AM State of New Mexico

Oil Conservation Division

	Page 1 of 16
Incident ID	nAPP2221331654
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>>55'</u> (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

Page 3

- Data table of soil contaminant concentration data
- \boxtimes Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- \square 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: 1/25, Form C-141	7/2023 10:34:45 AM State of New Mexico		Page 2 of 1Incident IDnAPP2221331654				
Page 4	Oil Conservation Division	l	District RP				
			Facility ID				
			Application ID				
regulations all operators public health or the envi failed to adequately inve	Voodall	otifications and perform co OCD does not relieve the reat to groundwater, surfa	prrective actions for rele coperator of liability sho ce water, human health iance with any other feo onal	ases which may endanger ould their operations have or the environment. In			
OCD Only Received by: Jo	ocelyn Harimon	Date:01	1/25/2023				

Received by OCD: 1/25/2023 10:34:45 AM Form C-141 State of New Mexico

Page 5

Oil Conservation Division

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

	Page 3 of 16
Incident ID	nAPP2221331654
District RP	
Facility ID	
Application ID	

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points \boxtimes 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 confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, 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. Env. Professional Printed Name: Dale Woodall Title: Signature: Dale Woodall Date: 1/25/2023 email: dale.woodall@dvn.com Telephone: 575-748-1838 **OCD Only** 01/25/2023 Jocelyn Harimon Date: Received by: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

Page 6

Oil Conservation Division

Incident ID	nAPP2221331654
District RP	
Facility ID	
Application ID	

Page 4 of 160

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 items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Title: ______ Env. Professional Printed Name: Dale Woodall Signature: Dale Woodall Date: 1/25/2023 Telephone: 575-748-1838 email: dale.woodall@dvn.com **OCD Only** Received by: Jocelyn Harimon Date: 01/25/2023 Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: _____ Date: _____ Printed Name: Title:

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



January 23, 2023

New Mexico Oil Conservation Division District 1 1625 N. French Dr Hobbs, New Mexico 88240

Re: Site Characterization and Closure Report Ichabod 7 Fed 1H Battery Devon Energy Production Company Incident ID: nAPP2221331654, P-07-26S-34E, Lea County, New Mexico

To Whom it May Concern:

1. Introduction

New Tech Global Environmental, LLC (NTGE), on behalf of Devon Energy Production Company (DEVON), submits this Site Closure Report to the New Mexico Oil Conservation Division (NMCOD) District 2 Office. This report provides documentation of delineation, sampling, remedial activities, and analyses conducted in the affected area at the Ichabod 7 Fed 1H Battery release (Site). The Site is in Unit Letter P, Section 07, of Township 26 South and Range 34 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.051237° N latitude and -103.501509° W longitude. Figures 1 and 2 depict the Site Location. The release area and sample locations are depicted on Figures 3 and 4.

2. Background

DEVON submitted a C-141, Release Notification and Corrective Action, form dated August 15, 2022, to the NMOCD. The C-141 states the release was due to "equipment failure," and occurred on July 29, 2022. According to the initial C-141 approximately 17 barrels (bbls) of produced water was released, of which 15 bbls were recovered. See initial C-141 attached above.

The release falls under the jurisdiction of the NMOCD District 1 Office in Hobbs, New Mexico. The NMOCD assigned the release with Incident Number nAPP2221331654. The Release Notification and Corrective Action, Site Assessment/Characterization, and Closure portions of Form C-141 are attached to the front of this report.

3. Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one known water sources within a ½-mile radius of the Site, and the site is located within a low karst area. The nearest identified ground water determination bore is located 0.48 miles southwest of the Site in Sec 18 T26S R34S. The bore was drilled in 2022 with no reported depth to groundwater above fifty-five (55) feet below ground surface (ft bgs). A copy of the site characterization information and the associated USGS summary report is attached.

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
No Receptors Found	>55 bgs

 Table 3.1
 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12 & 19.15.29.13)

Regulatory Standard	Chloride	TPH (GRO+DRO+MR	TPH (GRO+MRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re- Vegetation (Impacted Area 0-4 Feet)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release		2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
Notes: = not defined					

4. Initial Soil Delineation Assessment Summary and Findings

On November 11, 2022, New Tech Global Environmental, LLC (NTGE) conducted site assessment activities to assess the extent of impacts at the Site. A total of four sample points (i.e., S-1 through S-4), as well as seven horizontal sample points (i.e., H-1 through H-7) were installed within the release area to characterize the impacts. Soil samples were collected in 0.5 ft intervals from depths ranging from 0 - 4.5 ft below ground surface (bgs) with a geotechnical hand auger. Sample locations from NTGE's assessment activities are shown on Figure 3. Analytical results from NTGE's assessment (attached), indicated that concentrations within the release extent exceeded the NMOCD's regulatory thresholds for chlorides in the areas of H-2 and S-1 through S-4. Analytical results of the initial assessment samples are included in Table 1.

5. Excavation, Waste Management and Confirmation Sampling

Devon proceeded with remedial action activities at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The release area was excavated to



depths of 4.5 ft through 8 ft bgs within the release area. The excavation area is illustrated on Figure 4.

A total of eighteen (18) confirmation samples were collected from the excavation base (i.e., CS-1 through CS-18) and fifteen (15) confirmation samples were collected from the excavation sidewalls (i.e., SW-1 through SW-15) on November 2, 2022, to ensure impacted soils were successfully removed. Analytical results indicated that eight (8) of the sidewall samples exceeded the NMOCD's regulatory thresholds for chlorides and the areas would require further excavation.

After further excavation the area was re-sampled, and ten (10) additional confirmation samples collected from the excavation sidewalls (i.e., SW-16 through SW-25) on November 13, 2022, to ensure impacted soils were successfully removed. Analytical results indicated that six (6) of the sidewall samples exceeded the NMOCD's regulatory thresholds for chlorides and the areas would require further excavation.

After further excavation the area was re-sampled on January 9, 2023, and seven (7) additional confirmation samples collected from the excavation sidewalls (i.e., SW-26 through SW-32) to ensure impacted soils were successfully removed. Analytical results indicated that no samples exceeded the NMOCD's regulatory thresholds, and the areas would require no further excavation.

The confirmation samples were collected every 200 square feet and submitted to the lab under proper chain of custody protocol for analysis. The samples were analyzed for the following:

- TPH (EPA method 8015 modified),
- BTEX (EPA Method 8021B), and
- Chloride (method SM4500CI-B).

Analytical results indicated the extent of impacted soils had been removed and no further excavation was required. 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 2.

6. nAPP2221331654 Closure Request

Based on the assessment and subsequent remedial action activities, the Site is compliant with NMOCD's regulatory limits, and no further actions are required at the site. A copy of the final C-141 is attached, and Devon formally requests 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



Alun

Ethan Sessums Project Manager

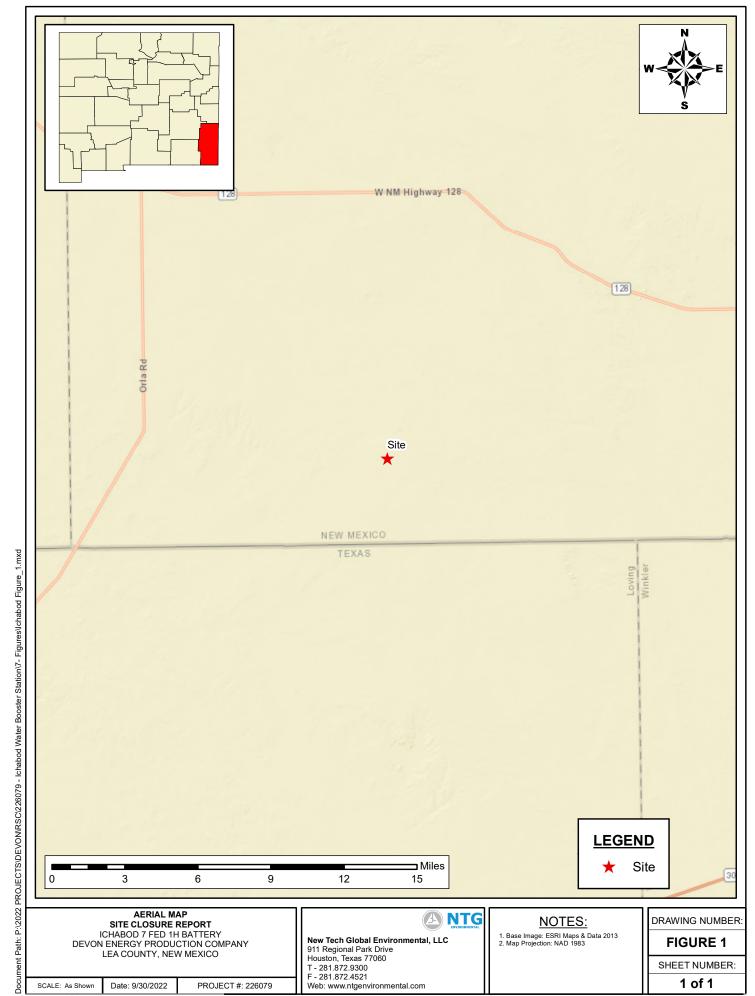
Encl. Figure 1 – Site Location Map
Figure 2 – Area Map
Figure 3 – Assessment Sample Location Map
Figure 4 – Confirmation Sampling Map
Table 1 – Summary of Soil Analytical Data – Confirmation Samples
Table 2 – Summary of Soil Analytical Data – Delineation Samples
Attachment A – Site Characterization Documentation
Attachment B – Photographic Log
Attachment C – Confirmation Sampling Notifications
Attachment D – Laboratory Analytical Reports and Chain-of-Custody Documentation



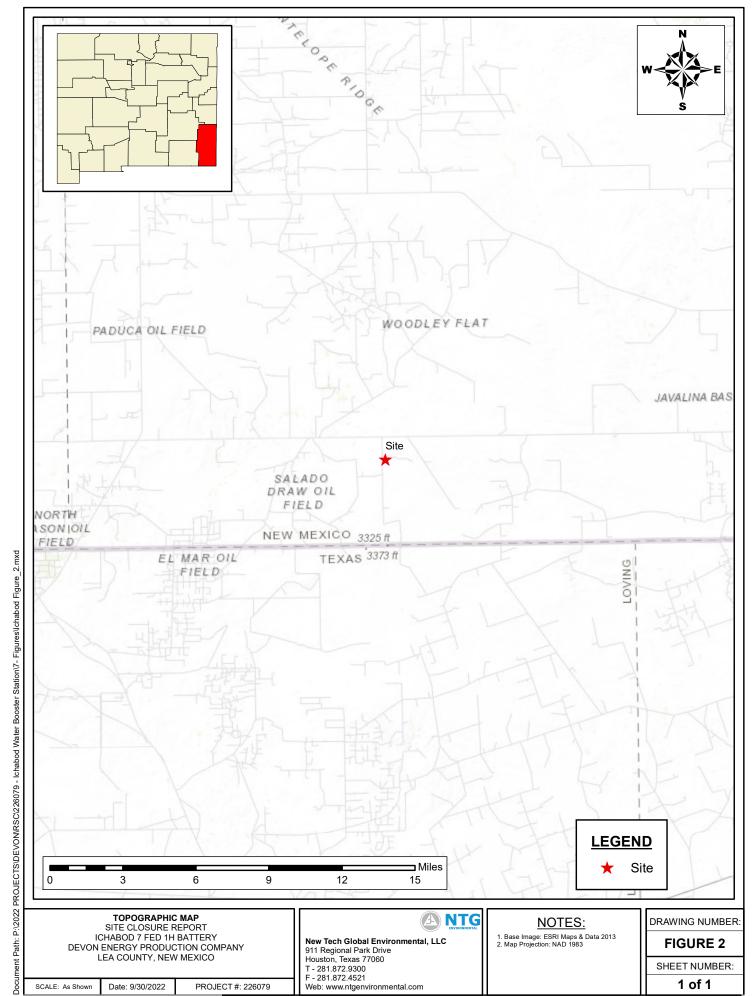




•

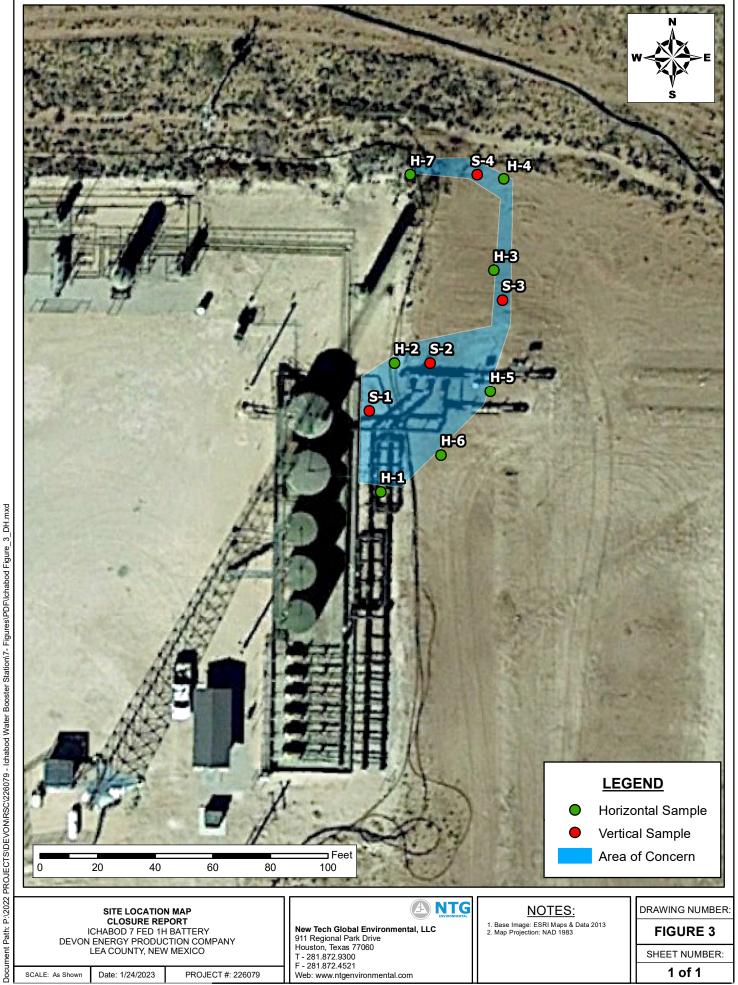


Released to Imaging: 2/14/2023 2:56:40 PM



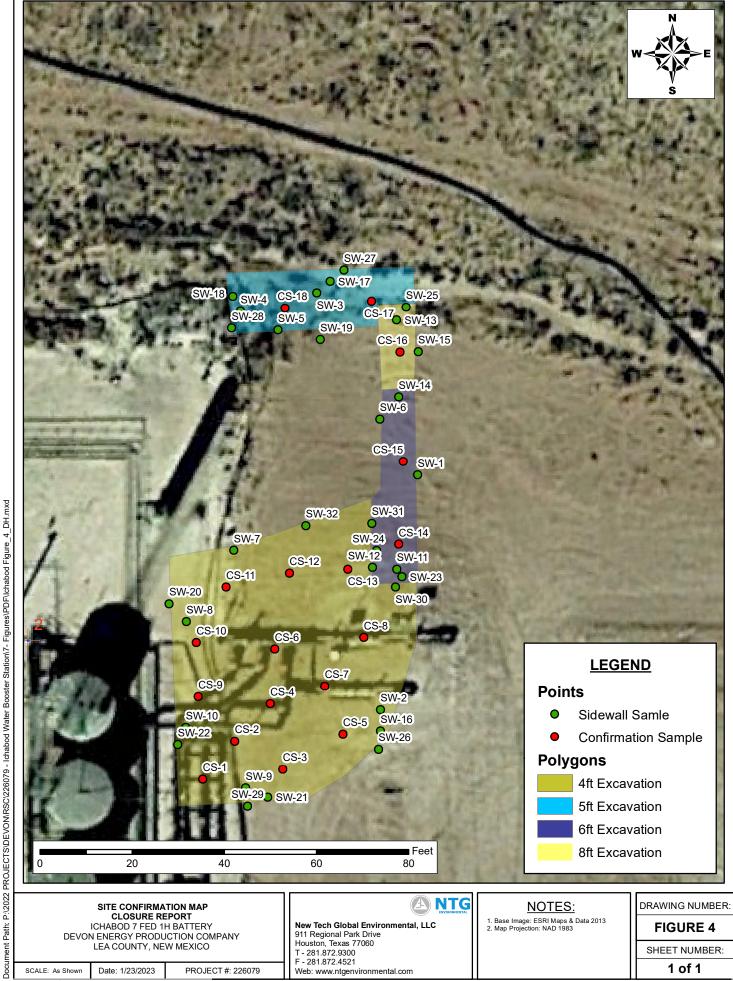
Released to Imaging: 2/14/2023 2:56:40 PM

Received by OCD: 1/25/2023 10:34:45 AM



Released to Imaging: 2/14/2023 2:56:40 PM

Received by OCD: 1/25/2023 10:34:45 AM



Released to Imaging: 2/14/2023 2:56:40 PM





•

Table 1 Summary of Soil Analytical Data - Delineation Samples Ichabod 7 Fed 1H Battery Devon Energy Production Company Lea County, New Mexico

										ТРН			
Converte ID	Council a Data	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6- C-10)	DRO (C10- C28)	GRO + DRO	MRO (C28- C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Sample Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Table	I Closure Cr	iteria for So	oil <50 feet De	epth to Ground	water 19.15.29	NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
	NTGE Initial Assessment Samples												
H-1	10/3/2022	(0-0.5')	<0.00199	< 0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	427
H-2	10/3/2022	(0-0.5')	<0.00200	< 0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	5490
H-3	10/3/2022	(0-0.5')	< 0.00199	< 0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	67
H-4	10/3/2022	(0-0.5')	< 0.00199	< 0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	73.9
H-5	10/3/2022	(0-0.5')	< 0.00199	< 0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	245
H-6	10/3/2022	(0-0.5')	<0.00201	<0.00201	<0.00201	<0.00402	< 0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	35.7
H-7	10/3/2022	(0-0.5')	<0.00200	<0.00200	<0.00200	<0.00401	< 0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	30.8
S-1	10/3/2022	(4-4.5')	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	3470
S-2	10/3/2022	(0-1')	< 0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	1400
S-3	10/3/2022	(1-1.5')	<0.00201	<0.00201	<0.00201	<0.00402	< 0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	1670
S-4	10/3/2022	(4-4.5')	< 0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	1350

Notes:

1. Values reported in mg/kg

2.< = Value Less Than Reporting Limit (RL)

3. Bold indicates Analyte Detected

6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

5. TPH analyses by EPA Method SW 8015 Mod.

4. BTEX analyses by EPA Method SW 8021B

Sample Point Excavated

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Tablel Closure Criteria for the site.

8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

Received by OCD: 1/25/2023 10:34:45 AM

Table 2 Summary of Soil Analytical Data - Confimation Samples Ichabod 7 Fed 1H Battery Devon Energy Production Company Lea County, New Mexico

						ТРН							
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6	DRO		MRO (C28-	Total	Chloride
		Depth						C-10)	(C10-C28)	GRO + DRO	C35)	GRO/DRO/MRO	
Sample ID	Sample Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Table I	Closure Crit	eria for Soil	51-100 feet	Depth to Grou	ndwater 19.15.2	NMAC		
			10 mg/kg				50 mg/kg			1000mg/kg		2500 mg/kg	10,000 mg/kg
	Criteria for 0-4'		10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
NTGE Confimation Samples													
CS-1	11/2/2022	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	96
CS-2	11/2/2022	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	384
CS-3	11/2/2022	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	386
CS-4	11/2/2022	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	1060
CS-5	11/2/2022	4.5'	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<50.0	400
CS-6 CS-7	11/2/2022 11/2/2022	4.5' 4.5'	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<50.0 <50.0	96 48
CS-7	11/2/2022	4.5	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<50.0	48 224
CS-9	11/2/2022	4.5	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<50.0	3920
CS-10	11/2/2022	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	1250
CS-11	11/2/2022	4.5'	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<50.0	3760
CS-12	11/2/2022	4.5'	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<50.0	4080
CS-13	11/2/2022	4.5'	<0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<50.0	608
CS-14	11/2/2022	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	128
CS-15	11/2/2022	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	144
CS-16	11/2/2022	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	208
CS-17	11/2/2022	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	64
CS-18	11/2/2022	5'	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<50.0	112
SW-1	11/2/2022	0-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	48
<u>5₩-2</u>	11/2/2022 11/2/2022	0-4.5	<0:050 <0:050	<0:050 <0:050	<0:050 <0:050	<0:150 <0:150	<0:300 <0:300	<u><10.0</u> <10.0	<u><10.0</u> <10.0	<10.0 <10.0	<u><10.0</u> <10.0	<50.0 <50.0	3160
<u>S₩-4</u>	11/2/2022	0-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	960
SW-5	11/2/2022	0-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	2840
SW-6	11/2/2022	0-4.5'	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<50.0	48
SW-7	11/2/2022	0-4.5'	<0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<50.0	160
S₩-8	11/2/2022	0-4.5	<0.050	<0.050	<0.050	<0:150	<0.300	~10.0	<10.0	<10.0	<10.0	<50.0	1150
SW-9	11/2/2022	0-4.5	<0.050	<0:050	<0:050	<0.150	<0:300	~19.0	<10.0	<10.0	<10.0	<50.0	768
SW-10	11/2/2022	0-4.5	<0.050	<0:050	<0.050	<0.150	<0:300	<10.0	<10.0	<10.0	<10.0	<50.0	1410
SW-11	11/2/2022	0=4.5	<0.050	<0.050	<0.050	<0.150	<0.300	~10.0	<10.0	<10.0	<10.0	<50.0	992
SW-12	11/2/2022	0-4.5	<0.050	<0:050	<0.050	₹0:150	<0:300	~10.0	~10.0	<10.0	<10.0	<50.0	4200
SW-13	11/2/2022	0=4.5	<0.050	<0.050	<0.050	₹0:150	<0.300	₹10.0	₹10.0	<10.0	₹10.0	<50.0	896
SW-14 SW-15	11/2/2022 11/2/2022	0-4.5' 0-4.5'	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<50.0 <50.0	192 144
S₩-15	12/13/2022	0-4.5	<0.050	<0.030	<0.030	<0.150	<0.300	<10.0	<10.0 <10.0	<10.0 <10.0	<10.0	<50.0	144
<u>3₩-10</u> <u>S₩-17</u>	12/13/2022	0-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	976
<u>S₩-18</u>	12/13/2022	0-4.5	<0.050	<0.050	<0.050	<0:150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	1330
SW-19	12/13/2022	0-4.5'	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	464
SW-20	12/13/2022	0-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	448
SW-21	12/13/2022	0-4.5	<0.050	<0:050	<0.050	<0:150	<0:300	<10.0	<10.0	<10.0	~10.0	<50.0	1730
SW-22	12/13/2022	0-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	128
SW-23	12/13/2022	0-4.5	<0.050	<0:050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0	1010
SW-24	12/13/2022	0-4.5	<0.050	<0:050	<0.050	<0.150	<0.300	<10.0	~10.0	<10.0	<10.0	<50.0	1090
SW-25	12/13/2022	0-4.5'	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<50.0	112
SW-26	1/9/2023	0-4.5	<0.0250	< 0.0250	<0.0250	< 0.0250	< 0.0250	<20.0	<25.0	<50.0	<20.0	<50.0	185
SW-27 SW-28	1/9/2023 1/9/2023	0-4.5' 0-4.5'	<0.0250 <0.0250	<0.0250 <0.0250	<0.0250 <0.0250	<0.0250 <0.0250	<0.0250 <0.0250	<20.0 <20.0	<25.0 <25.0	<50.0 <50.0	<20.0 <20.0	<50.0 <50.0	59.9 151
SW-28 SW-29	1/9/2023	0-4.5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<50.0	37.7
SW-29 SW-30	1/9/2023	0-4.5	<0.0250	< 0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<50.0	<16.0
SW-30	1/9/2023	0-4.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<50.0	167
SW-31	1/9/2023	0-4.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<50.0	<16.0
	_, _, _ 0 _ 0			2.5200						2010	_010		2010

Notes:

Released to Imaging: 2/14/2023 2:56:40 PM

Values reported in mg/kg
 < = Value Less Than Reporting Limit (RL)
 Bold indicates Analyte Detected

5. TPH analyses by EPA Method SW 8015 Mod. it (RL) 6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

4. BTEX analyses by EPA Method SW 8021B

5. GRO/DRO/MRO - Gasoline/Diesel/Motor Oli 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Tablel Closure Criteria for the site. 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

SP-1____ Sample Point Excavated

ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION



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

)

Page 18:0f 160

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

Page	2
1 age	-

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
Yes No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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:	Title:
Signature: Kendra Ruiz	Date:
email:	Telephone:
OCD Only	
Received by: Jocelyn Harimon	Date: 08/15/2022

Oil Conservation Division

	Page 20 of 16
Incident ID	nAPP2221331654
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>>55'</u> (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
- \boxtimes Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- \boxtimes 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.

orm C-141 age 4	<i>D23 10:34:45 AM</i> State of New Mexico Oil Conservation Division	L	Incident ID District RP Facility ID Application ID	Page 21 o nAPP2221331654
regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations.	ormation given above is true and complete to the e required to report and/or file certain release no ument. The acceptance of a C-141 report by the gate and remediate contamination that pose a the of a C-141 report does not relieve the operator of	otifications and per OCD does not re reat to groundwa of responsibility f	wledge and understand that purse erform corrective actions for rele elieve the operator of liability sho ter, surface water, human health for compliance with any other fee	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
Printed Name: Dale Wo	oodall	Title ^{, EIIV, J}	Professional	
Printed Name: Dale We	oodall		Professional /2023	
Printed Name: <u>Dale Wo</u> Signature: <u>Dale Wo</u> email: <u>dale.woodall@dv</u>	oodall	Date:/25.		
Signature: Dale W	oodall	Date:/25.	/2023	

Received by OCD: 1/25/2023 10:34:45 AM Form C-141 State of New Mexico

Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

	ŀ	Pa	Ig	e	22	0	f	1	6	0	
 -	-		-	_							

Incident ID	nAPP2221331654
District RP	
Facility ID	
Application ID	

Remediation 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 confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, 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. Env. Professional Printed Name: Dale Woodall Title: Signature: Dale Woodall Date: 1/25/2023 email: dale.woodall@dvn.com Telephone: 575-748-1838 OCD Only Date: Received by: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

Page 5

Page 6

Oil Conservation Division

Incident ID	nAPP2221331654
District RP	
Facility ID	
Application ID	

Page 23 of 160

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 items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. _____ Title: _____ Env. Professional Printed Name: Dale Woodall Signature: Dale Woodall Date: 1/25/2023 email: dale.woodall@dvn.com Telephone: 575-748-1838 **OCD Only** Received by: Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Title: Environmental Specialist A

NAPP2221331654

Spills In Lined Containment							
Measurements	Of Standing Fluid						
Length(Ft)	53						
Width(Ft)	30						
Depth(in.)	1						
Total Capacity without tank displacements (bbls)	23.60						
No. of 500 bbl Tanks							
In Standing Fluid	2						
No. of Other Tanks In							
Standing Fluid	1						
OD Of Other Tanks In Standing Fluid(feet)	15						
Total Volume of standing fluid accounting for tank displacement.							

Spill Volume(Bbls) Calculator								
Inputs in blue, Outputs in red								
Contaminated Soil measurement								
Length(Ft)	Width(Ft)	Depth(Ft)						
200	<u>2.000</u>	<u>0.042</u>						
Cubic Feet of S	oil Impacted	<u>16.800</u>						
Barrels of So	il Impacted	<u>2.99</u>						
Soil T	ype	Clay						
Barrels of Oil As Satura		<u>0.30</u>						
Saturation	Damp	no fluid when squeezed						
Estimated Ba Relea		0.03						
	Free Standi	ing Fluid Only						
Length(Ft)	Width(Ft)	Depth(Ft)						
<u>10</u>	<u>2.000</u>	0.500						
Standin	g fluid	<u>1.779</u>						
Total fluid	s spilled	<u>2.078</u>						

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:				
DEVON ENERGY PRODUCTION COMPANY, LP	6137				
333 West Sheridan Ave.	Action Number:				
Oklahoma City, OK 73102	133873				
	Action Type:				
	[C-141] Release Corrective Action (C-141)				

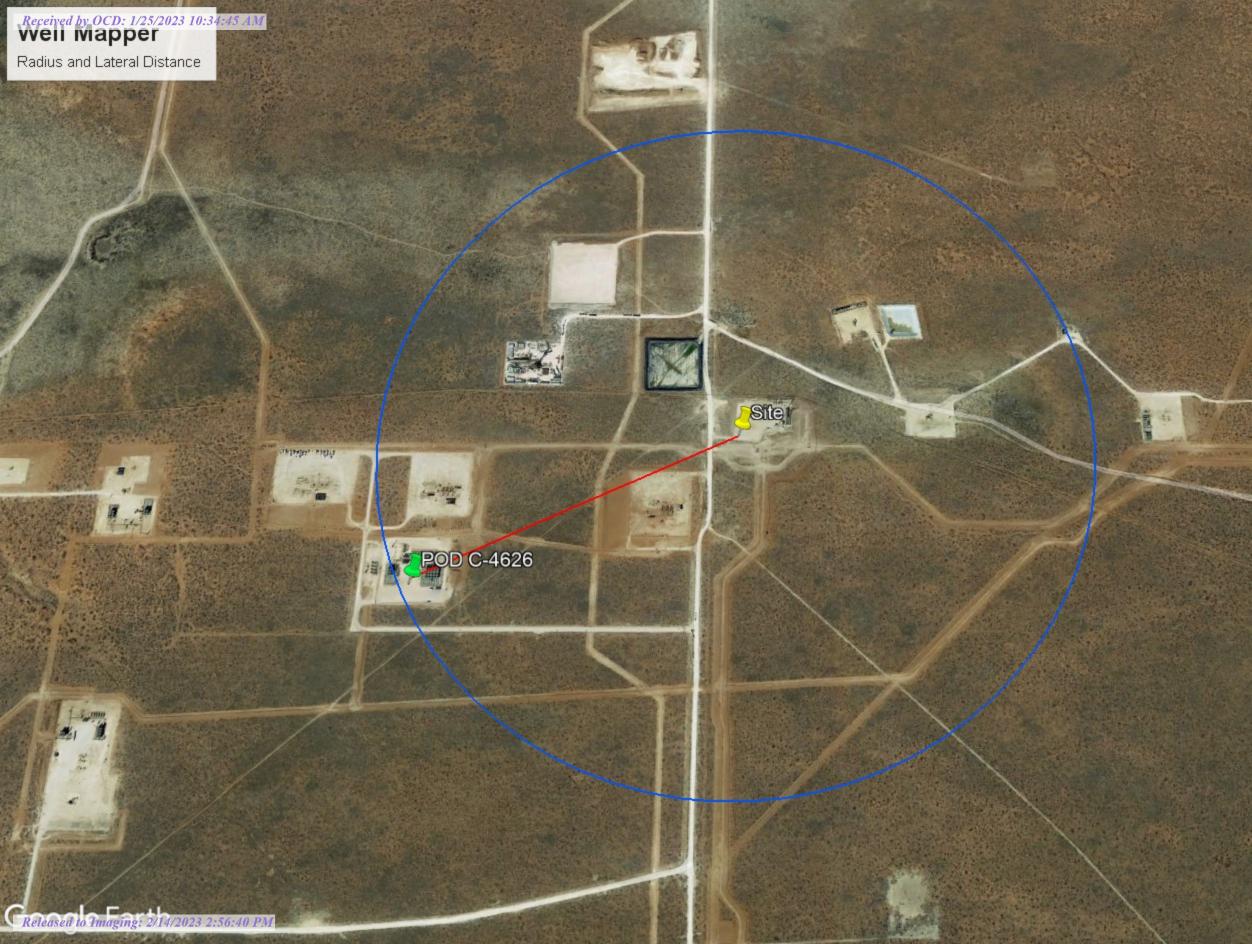
CONDITIONS

Created By Condition Condition Date 8/15/2022 jharimon None

Page 25cof 160

.

Action 133873







•

Science for a changing world

USGS Home Contact USGS Search USGS

Help

Received by OCD: 1/25/2023 10:34:45 AM

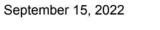
National Water Information System: Mapper

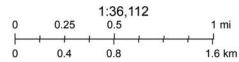


Site Information

New Mexico NFHL Data







FEMA, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

NC	OSE POD NO. (WELL NO.) WELL TAG ID NO. POD 1 (TW-1) N/A					OSE FILE NO(S). C-4626						
DCATIC	WELL OWNER NAME(S) Devon Energy					PHONE (OPTIONAL) 575-748-1838						
VELL LO	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy								STATE NM	88210	ZIP	
1. GENERAL AND WELL LOCATION	WELL I			GREES MINUTES SECONDS 32 2 51.06 N			ACCURACY REQUIRED: ONE TENTH OF A SECOND					
NER	(FROM GPS)		DNGITUDE 103 30 37.08 W			AATUM REQUIRED: WGS 84						
1. GE			NG WELL LOCATION TO C26S R34S NMPM	STREET ADD	RESS AND COMMON	LANDM	IARKS – PLS	SS (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVA	AILABLE	
	LICENSE NO 124		NAME OF LICENSED		Jackie D. Atkins				NAME OF WELL DR Atkins Eng		COMPANY g Associates, I	nc.
	DRILLING STARTED DRILLING ENDED 6/9/2022 6/9/2022			DEPTH OF COMPLETED WELL (FT) Temporary Well ±55) DEPTH WATER FIRST ENCOUNTERED (FT) N/A				
N	COMPLETEI	WELL IS:	ARTESIAN	✓ DRY HO	LE SHALLO	W (UNCO	ONFINED)		WATER LEVEL PLETED WELL N	/A	DATE STATIC	
ATIO	DRILLING F	LUID:	AIR	MUD	ADDITIV	ES – SPE	CIFY:					
2. DRILLING & CASING INFORMATION	DRILLING M	ETHOD:	ROTARY HAM	MER CAB	LE TOOL 🖌 OTH	ER – SPE	CIFY: H	Hollow Stem	Auger CHECK	HERE IF	F PITLESS ADAI	PTER IS
INF	DEPTH (feet bgl) BORE HOLE		(TRADE		ASING			ING WALL	SLOT			
SING	FROM	COM TO DIAM (inches)		(include each casing string, and		NECTION FYPE bling diameter)	INSIDE DIAM. T (inches)		IICKNESS (inches)	SIZE (inches)		
& CA	0	55	±6.5		Boring-HSA		(add coup					
ING												
SILL												
2. DI												
	DEPTH (feet bgl) BORE HOLE LIST ANNULAR SEAL MATERIAL A					AND	AMOUNT		METHO	D OF		
IAL	FROM	то	DIAM. (inches)	GRA	VEL PACK SIZE	-RANG	E BY INTE	ERVAL	(cubic feet)		PLACEMENT	
TER												
RMA												
NLA						man ave di	12: 1 0	0000	00			
3. ANNULAR MATERIAL									NOE DU DI	NA TO	2022	V-2
З.												
FOR	OSE DITED	NAL UCT		1				WD 0	0 WELL RECORD	&10G	(Varsion 01/2	8/2022)
	E NO. C		6-P0A	(POD NO) .	1	TRN 1	1 1	171		.0/2022)
	CATION		. 34.18.	421				WELL TAG I	D NO.		PAGE	1 OF 2

.

	DEPTH (1 FROM	feet bgl) TO	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MATERIA ER-BEARING CAVITIE oplemental sheets to ful	S OR	FRACT	TURE ZONES	5	WAT BEAR (YES /	ING?	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	4	4	Sand, Fine-grained, poorly graded, 2.5 YR 3/6, Dark Red				Y	✓ N	Lorizo (Spin)		
	4	9	5	Caliche, with Fine-grained sand, 7.5 YR 7/4, Pink				Y	✓ N			
	9	14	5		Caliche, well consolidated, 7.5 YR 7/4, Pink				Y	√ N		
	14	39	25		oorly graded, with Calicl				llow	Y	✓ N	
	39	55	16		, poorly graded, with Caliche, 7.5 YR 75/6, Brown			Y	√ N			
-					1 00					Y	N	
4. HYDROGEOLOGIC LOG OF WELL										Y	N	
OF V										Y	N	
og										Y	N	
ICL										Y	N	
DO										Y	N	
EOI										Y	N	
ROG									-	Y	N	
QXI										Y	N	
4. F										Y	N	
										Y	N	
									-	Y	N	
									_	Y	N	
										Y	N	
										Y	N	
										Y	N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARIN	G STRATA:				TOT	L ESTIM	IATED	
	PUM		IR LIFT	BAILER 01	THER - SPECIFY:				WEL	L YIELD	(gpm):	0.00
NOISI	WELL TES	T TEST	RESULTS - ATT T TIME, END TI	ACH A COPY OF DAT ME, AND A TABLE SI	TA COLLECTED DURI HOWING DISCHARGE	NG W AND	ELL TI	ESTING, INC DOWN OVE	LUDI ER THI	NG DISCI E TESTIN	HARGE N G PERIC	METHOD, DD.
RVIS	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet											
below ground surface(bgs), then hydrated bentonite c							e chips	ten feet bgs	to su	face.		
5. TEST; RIG SUPERV	Fighting Okra 18 CTB 4 USE DIT JUN 16 2022 PM3:10								2 PM3:10			
TEST	PRINT NAM	E(S) OF DI	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPE	RVISI	ON OF	WELL CON	STRU	CTION OT	THER TH	IAN LICENSEE:
5.	Shane Eldrie	lge, Camer										
TURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:											
6. SIGNATURE	Jack Atkins Jackie D. Atkins						6/16/2022					
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME						DATE	
FO	R OSE INTERI	NAL USE						WR-20 WF	LRE	CORD &	OG (Ve	rsion 01/28/2022)
	E NO. C -	4102	6-20	\geq 1	POD NO.			TRN NO.		26	17	
LO	CATION	26	. 34.12	3.421		,	WELL 1	TAG ID NO.	-		-	PAGE 2 OF 2

Mike A. Hamman, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: 726171 File Nbr: C 04626 Well File Nbr: C 04626 POD1

Jun. 16, 2022

DALE WOODALL DEVON ENERGY 6488 7 RIVERS HWY ARTESIA, NM 88210

Greetings:

The above numbered permit was issued in your name on 05/24/2022.

The Well Record was received in this office on 06/16/2022, stating that it had been completed on 06/09/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/24/2023.

If you have any questions, please feel free to contact us.

Sincerely,

Maret Amaral (575)622-6521

drywell



2904 W 2nd St. Roswell, NM 88201 voice: 575.624.2420 fax: 575.624.2421 www.atkinseng.com

June 8, 2022

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4626 Pod1at Fighting Okra 18 CTB 4

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4626 Pod1.

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

Sincerely,

lacon Middlam

Lucas Middleton

Enclosures: as noted above

OSE DII JUN 16 2022 PM3:09

ATTACHMENT B: PHOTOGRAPHIC LOG



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 1

Facility: Ichabod 7 Fed 1H Battery

County: Lea County, New Mexico

Description: View of excavated area.



Photograph No. 2

Facility:	Ichabod 7 Fed 1H Battery
-----------	--------------------------

County: Lea County, New Mexico

Description:

View of excavated area.



Photograph No. 3

Facility: Ichabod 7 Fed 1H Battery

County: Lea County, New Mexico

Description:

View of excavated area.



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 4

 Facility:
 Ichabod 7 Fed 1H Battery

 County:
 Lea County, New Mexico

Description: Final Excavation.



Photograph No. 5

County: Lea County, New Mexico

Description: Final Excavation.



Photograph No. 6

Facility: Ichabod 7 Fed 1H Battery

County: Lea County, New Mexico

Description:

Final Excavation.



ATTACHMENT C: CONFIRMATION SAMPLING NOTIFICATIONS



Kellan Smith

From:	Ethan Sessums
Sent:	Monday, January 23, 2023 9:18 AM
То:	Kellan Smith
Subject:	FW: Sampling Event

From: Jordan Tyner <JTyner@ntglobal.com> Sent: Monday, October 31, 2022 3:33 PM To: New Mexico OCD <ocd.enviro@state.nm.us> Cc: Ethan Sessums <ESessums@ntglobal.com> Subject: Sampling Event

We will be conducting a sampling event on behalf of Devon on November 2, 2022 around 10am

nAPP2221331654	Ichabod Water Booster Station	7/29/2022
----------------	-------------------------------	-----------

Jordan Tyner Project Scientist NTG Environmental New Mexico 402 E Wood Ave, Carlsbad, NM 88220 M: (903) 309-8358 W: (432) 813-0263 Email: <u>ityner@ntglobal.com</u> <u>http://www.ntgenvironmental.com/</u>



Kellan Smith

From:	Ethan Sessums
Sent:	Monday, January 23, 2023 9:18 AM
То:	Kellan Smith
Subject:	FW: Sampling Event

From: Jordan Tyner <JTyner@ntglobal.com> Sent: Wednesday, December 7, 2022 3:27 PM To: New Mexico OCD <ocd.enviro@state.nm.us> Cc: Ethan Sessums <ESessums@ntglobal.com> Subject: Sampling Event

We will be conducting a sampling event on behalf of Devon on December 13, 2022 around 10am

nAPP2221331654	Ichabod Water Booster Station	7/29/2022
----------------	-------------------------------	-----------

We will be conducting a sampling event on behalf of Devon on December 13, 2022 around 12am

nAB1916436300 PREACHER 19 FEDE	RAL #003H 5/31/2019
--------------------------------	---------------------

Jordan Tyner Project Scientist NTG Environmental New Mexico 402 E Wood Ave, Carlsbad, NM 88220 M: (903) 309-8358 W: (432) 813-0263 Email: jtyner@ntglobal.com http://www.ntgenvironmental.com/



Kellan Smith

From:	Ethan Sessums
Sent:	Monday, January 23, 2023 9:18 AM
То:	Kellan Smith
Subject:	FW: Sampling Event

From: Jordan Tyner <JTyner@ntglobal.com> Sent: Wednesday, January 4, 2023 9:05 AM To: New Mexico OCD <ocd.enviro@state.nm.us> Cc: Ethan Sessums <ESessums@ntglobal.com> Subject: Sampling Event

We will be conducting a sampling event on behalf of Devon on January 9, 2023 around 10am

nAPP2221331654 Ichabod	Water Booster Station 7/29/202	2 21060585
------------------------	--------------------------------	------------

Jordan Tyner Project Scientist NTG Environmental New Mexico 402 E Wood Ave, Carlsbad, NM 88220 M: (903) 309-8358 W: (432) 813-0263 Email: jtyner@ntglobal.com http://www.ntgenvironmental.com/



ATTACHMENT D: LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION



Received by OCD: 1/25/2023 10:34:45 AM



Expert

Released to Imaging: 2/14/2023 2:56:40 PM

Visit us at:

www.eurofinsus.com/Env

Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-3130-1

Laboratory Sample Delivery Group: 226079 Client Project/Site: Ichabod Water Booster Station

For:

NT Global 701 Tradewinds Blvd Midland, Texas 79706

Attn: Gordon Banks

VRAMER

Authorized for release by: 10/5/2022 11:38:22 AM

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

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.

SDG: 226079

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	14
	16
	22
Lab Chronicle	26
Certification Summary	30
Method Summary	31
Sample Summary	32
	33
Receipt Checklists	35

	Definitions/Glossary		
Client: NT Glo Project/Site: I	-	Job ID: 890-3130-1 SDG: 226079	i
Qualifiers			
GC VOA Qualifier	Qualifier Description		Ī
*+	LCS and/or LCSD is outside acceptance limits, high biased.		
F1	MS and/or MSD recovery exceeds control limits.		
S1+	Surrogate recovery exceeds control limits, high biased.		2
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VO	Α		
Qualifier	Qualifier Description		
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			1
Qualifier	Qualifier Description		
F1	MS and/or MSD recovery exceeds control limits.		-
U	Indicates the analyte was analyzed for but not detected.		
Glossary			
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis		
%R	Percent Recovery		
CFL	Contains Free Liquid		-
CFU	Colony Forming Unit		
CNF	Contains No Free Liquid		

DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

Dilution Factor

MCL EPA recommended "Maximum Contaminant Level"

Minimum Detectable Activity (Radiochemistry) MDA

MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL ML Minimum Level (Dioxin)

Dil Fac

MPN Most Probable Number

MQL Method Quantitation Limit NC Not Calculated

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

ND NEG Negative / Absent

POS Positive / Present

Practical Quantitation Limit PQL PRES Presumptive

QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

TEF Toxicity Equivalent Factor (Dioxin)

TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Job ID: 890-3130-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3130-1

Receipt

The samples were received on 10/3/2022 1:53 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 24.2°C

Receipt Exceptions

The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: H-1 (890-3130-1), H-2 (890-3130-2), H-3 (890-3130-3), H-4 (890-3130-4), H-5 (890-3130-5), H-6 (890-3130-6), H-7 (890-3130-7), S-1 (4-4.5) (890-3130-8), S-2 (0-1) (890-3130-9), S-3 (1-1.5) (890-3130-10) and S-4 (4-4.5) (890-3130-11).

890-3130

The Following samples were received and analized from unpreserved bulk soil.

GC VOA

Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-36062 and analytical batch 880-36055 recovered outside control limits for the following analytes: Benzene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-36062 and analytical batch 880-36055 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-36062/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-3122-A-1-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-36000 and analytical batch 880-36021 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-36028 and analytical batch 880-36019 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-36068 and 880-36068 and analytical batch 880-36102 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Job ID: 890-3130-1 SDG: 226079

Matrix: Solid

5

Lab Sample ID: 890-3130-1

Client Sample ID: H-1

Client: NT Global

Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/04/22 18:37	
Toluene	<0.00199	U	0.00199		mg/Kg		10/04/22 13:56	10/04/22 18:37	
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/04/22 18:37	
n-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		10/04/22 13:56	10/04/22 18:37	
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/04/22 18:37	
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		10/04/22 13:56	10/04/22 18:37	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	95		70 - 130				10/04/22 13:56	10/04/22 18:37	1
1,4-Difluorobenzene (Surr)	87		70 - 130				10/04/22 13:56	10/04/22 18:37	-
Method: TAL SOP Total BTEX - 1									
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/05/22 12:21	
Method: SW846 8015 NM - Diese						_	_ .		
Analyte Total TPH	Result <50.0	Qualifier		MDL	Unit mg/Kg	D	Prepared	Analyzed 10/05/22 09:54	Dil Fa
•	Result	Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		10/04/22 09:00	10/04/22 16:15	
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	п	50.0		mg/Kg		10/04/22 09:00	10/04/22 16:15	
C10-C28)	400.0	0	00.0		ilig/itg		10/04/22 00:00	10/04/22 10:10	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/22 09:00	10/04/22 16:15	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	111		70 - 130				10/04/22 09:00	10/04/22 16:15	
p-Terphenyl	103		70 - 130				10/04/22 09:00	10/04/22 16:15	
Method: MCAWW 300.0 - Anions	s, Ion Chromato	ography - So	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	427	F1	25.3		mg/Kg			10/05/22 01:18	Ę
lient Sample ID: H-2							Lab San	nple ID: 890-	3130-2
ate Collected: 10/03/22 12:00 ate Received: 10/03/22 13:53								Matri	x: Solic
Method: SW846 8021B - Volatile	Ormania Comm								

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		10/04/22 13:56	10/04/22 19:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/22 13:56	10/04/22 19:04	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		10/04/22 13:56	10/04/22 19:04	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		10/04/22 13:56	10/04/22 19:04	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		10/04/22 13:56	10/04/22 19:04	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		10/04/22 13:56	10/04/22 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				10/04/22 13:56	10/04/22 19:04	1
1,4-Difluorobenzene (Surr)	87		70 - 130				10/04/22 13:56	10/04/22 19:04	1

Eurofins Carlsbad

Released to Imaging: 2/14/2023 2:56:40 PM

Client Sample Results

Job ID: 890-3130-1 SDG: 226079

Matrix: Solid

5

Client Sample ID: H-2

Client: NT Global

Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/05/22 12:21	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.9		49.9		mg/Kg			10/05/22 09:54	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		10/03/22 14:25	10/04/22 16:37	1
(GRO)-C6-C10									
Diesel Range Organics (Over	49.9		49.9		mg/Kg		10/03/22 14:25	10/04/22 16:37	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/22 14:25	10/04/22 16:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/03/22 14:25	10/04/22 16:37	1
o-Terphenyl	100		70 - 130				10/03/22 14:25	10/04/22 16:37	1
Method: MCAWW 300.0 - Anions,	Ion Chromato	graphy - So	oluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5490		50.2		mg/Kg			10/05/22 01:35	10

Client Sample ID: H-3

Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53 Lab Sample ID: 890-3130-3 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/04/22 19:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/04/22 13:56	10/04/22 19:30	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/04/22 19:30	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		10/04/22 13:56	10/04/22 19:30	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/04/22 19:30	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		10/04/22 13:56	10/04/22 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				10/04/22 13:56	10/04/22 19:30	1
1,4-Difluorobenzene (Surr)	80		70 - 130				10/04/22 13:56	10/04/22 19:30	1

	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00398	U	0.00398		mg/Kg			10/05/22 12:21	1
Range Organ	ics (DRO) (C	SC)						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<50.0	U	50.0		mg/Kg			10/05/22 09:54	1
I Range Orga	nics (DRO)	(GC)						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		50.0		mg/Kg		10/03/22 14:25	10/04/22 17:07	1
	Range Organ Result <50.0 I Range Orga Result	Range Organics (DRO) (C Result <50.0 U	Range Organics (DRO) (GC) Result Qualifier RL <50.0	Range Organics (DRO) (GC) Result Qualifier RL MDL <50.0	Range Organics (DRO) (GC) Result Qualifier RL MDL Unit <50.0	Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D <50.0	Range Organics (DRO) (GC) RL MDL Unit D Prepared <50.0	Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Prepared Analyzed <50.0

Eurofins Carlsbad

10/04/22 17:07

Pa

Lab Sample ID: 890-3130-2

Diesel Range Organics (Over

C10-C28)

50.0

mg/Kg

10/03/22 14:25

<50.0 U

1

Client Sample Results

Job ID: 890-3130-1 SDG: 226079

Matrix: Solid

Lab Sample ID: 890-3130-3

Client Sample ID: H-3

Client: NT Global

Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/22 14:25	10/04/22 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				10/03/22 14:25	10/04/22 17:07	1
o-Terphenyl	96		70 - 130				10/03/22 14:25	10/04/22 17:07	1
Method: MCAWW 300.0 - Anions, Analyte		graphy - So Qualifier	oluble RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte	Result	• • •		MDL		D	Prepared	Analyzed	Dil Fa
Analyte Chloride		• • •	RL	MDL	<mark>Unit</mark> mg/Kg	<u>D</u>	·	10/05/22 01:41	1
Analyte	Result	• • •	RL	MDL		<u> </u>	·	10/05/22 01:41	Dil Fac 1 3130-4 x: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	< 0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/04/22 19:56	1	ï
Toluene	<0.00199	U	0.00199		mg/Kg		10/04/22 13:56	10/04/22 19:56	1	
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/04/22 19:56	1	ĩ
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		10/04/22 13:56	10/04/22 19:56	1	
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/04/22 19:56	1	
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		10/04/22 13:56	10/04/22 19:56	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	99		70 - 130				10/04/22 13:56	10/04/22 19:56	1	
1,4-Difluorobenzene (Surr)	86		70 - 130				10/04/22 13:56	10/04/22 19:56	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	 D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg	 		10/05/22 12:21	1

Method: SW846 8015 NM - Diesel R	Range Organi	ics (DRO) (O	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/05/22 09:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		10/03/22 14:25	10/04/22 17:29	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		10/03/22 14:25	10/04/22 17:29	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/22 14:25	10/04/22 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/03/22 14:25	10/04/22 17:29	1
o-Terphenyl	100		70 - 130				10/03/22 14:25	10/04/22 17:29	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.9		4.99		mg/Kg			10/05/22 01:47	1

Client Sample Results

Job ID: 890-3130-1 SDG: 226079

Lab Sample ID: 890-3130-5

Client Sample ID: H-5

Client: NT Global

Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/04/22 20:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/04/22 13:56	10/04/22 20:22	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/04/22 20:22	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		10/04/22 13:56	10/04/22 20:22	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/04/22 20:22	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		10/04/22 13:56	10/04/22 20:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				10/04/22 13:56	10/04/22 20:22	1
1,4-Difluorobenzene (Surr)	85		70 - 130				10/04/22 13:56	10/04/22 20:22	1
Method: TAL SOP Total BTEX - To	otal BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/05/22 12:21	1
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (G	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/05/22 09:54	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO) ((GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/03/22 14:25	10/04/22 17:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/03/22 14:25	10/04/22 17:50	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/22 14:25	10/04/22 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				10/03/22 14:25	10/04/22 17:50	1
o-Terphenyl	97		70 - 130				10/03/22 14:25	10/04/22 17:50	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	luble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	245		4.97		mg/Kg			10/05/22 01:53	1
lient Sample ID: H-6							Lab San	nple ID: 890-	3130-6
ate Collected: 10/03/22 12:00								Matri	ix: Solid
ate Received: 10/03/22 13:53									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
									-
Benzene	<0.00201	U *+	0.00201		mg/Kg		10/04/22 13:56	10/04/22 22:08	1
•	<0.00201 <0.00201		0.00201 0.00201		mg/Kg mg/Kg		10/04/22 13:56 10/04/22 13:56	10/04/22 22:08 10/04/22 22:08	1

o-Xylene	<0.00201	U *+	0.00201	mg/Kg	10/04/22 13:56	10/04/22 22:08	1
Xylenes, Total	<0.00402	U *+	0.00402	mg/Kg	10/04/22 13:56	10/04/22 22:08	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130		10/04/22 13:56	10/04/22 22:08	1
1,4-Difluorobenzene (Surr)	86		70 - 130		10/04/22 13:56	10/04/22 22:08	1

0.00402

mg/Kg

10/04/22 13:56

<0.00402 U*+

Eurofins Carlsbad

10/04/22 22:08

b ID: 800 3130 1

Matrix: Solid

5

m-Xylene & p-Xylene

1

Client Sample Results

Job ID: 890-3130-1 SDG: 226079

Matrix: Solid

5

Lab Sample ID: 890-3130-6

Client Sample ID: H-6

Client: NT Global

Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/05/22 12:21	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/05/22 09:54	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		10/03/22 14:25	10/04/22 18:12	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		10/03/22 14:25	10/04/22 18:12	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/22 14:25	10/04/22 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				10/03/22 14:25	10/04/22 18:12	1
o-Terphenyl	90		70 - 130				10/03/22 14:25	10/04/22 18:12	1
Method: MCAWW 300.0 - Anions,	Ion Chromato	ography - So	oluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.7		4.97		mg/Kg			10/05/22 02:10	1

Client Sample ID: H-7

Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53 Lab Sample ID: 890-3130-7 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		10/04/22 13:56	10/04/22 22:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/22 13:56	10/04/22 22:34	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		10/04/22 13:56	10/04/22 22:34	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		10/04/22 13:56	10/04/22 22:34	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		10/04/22 13:56	10/04/22 22:34	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		10/04/22 13:56	10/04/22 22:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				10/04/22 13:56	10/04/22 22:34	1
1,4-Difluorobenzene (Surr)	86		70 - 130				10/04/22 13:56	10/04/22 22:34	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/05/22 12:21	1
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (C	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/05/22 09:54	1
Method: SW846 8015B NM - D)iesel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
· · · · · · · · · · · · · · · · · · ·									

Eurofins Carlsbad

10/03/22 14:25

mg/Kg

(GRO)-C6-C10

C10-C28)

Diesel Range Organics (Over

50.0

<50.0 U

1

10/04/22 18:33

Client Sample Results

Job ID: 890-3130-1 SDG: 226079

Client Sample ID: H-7

Client: NT Global

Date Collected: 10/03/22 12:00

Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC) (Continue	d)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/03/22 14:25	10/04/22 18:33	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	99		70 - 130				10/03/22 14:25	10/04/22 18:33	
o-Terphenyl	93		70 - 130				10/03/22 14:25	10/04/22 18:33	
Method: MCAWW 300.0 - Anions	s, Ion Chromato	graphy - So	oluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	30.8		5.00		mg/Kg			10/05/22 02:16	
lient Sample ID: S-1 (4-4.5))						Lab San	nple ID: 890-	3130-
ate Collected: 10/03/22 12:00								Matri	ix: Sol
ate Received: 10/03/22 13:53									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)							
Analyte	• •	Qualifier	, RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Benzene	<0.00200	U *+	0.00200		mg/Kg		10/04/22 13:56	10/04/22 23:00	
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/22 13:56	10/04/22 23:00	
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		10/04/22 13:56	10/04/22 23:00	
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		10/04/22 13:56	10/04/22 23:00	
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		10/04/22 13:56	10/04/22 23:00	
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		10/04/22 13:56	10/04/22 23:00	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)			70 - 130				10/04/22 13:56	10/04/22 23:00	
1,4-Difluorobenzene (Surr)	100		70 - 130				10/04/22 13:56	10/04/22 23:00	
Method: TAL SOP Total BTEX -	Total BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/05/22 12:21	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Total TPH	<49.9		49.9		mg/Kg			10/05/22 09:54	
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
		U							

Chloride	3470		50.1		mg/Kg			10/05/22 02:22	10
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: MCAWW 300.0 - Anions	, Ion Chromatog	raphy - So	oluble						
o-Terphenyl	112		70 - 130				10/03/22 14:25	10/04/22 18:55	1
1-Chlorooctane	116		70 - 130				10/03/22 14:25	10/04/22 18:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9 L	J	49.9		mg/Kg		10/03/22 14:25	10/04/22 18:55	1
C10-C28)									
(GRO)-C6-C10 Diesel Range Organics (Over	<49.9 L	J	49.9		mg/Kg		10/03/22 14:25	10/04/22 18:55	1

Eurofins Carlsbad

Client Sample Results

Job ID: 890-3130-1 SDG: 226079

Matrix: Solid

5

Lab Sample ID: 890-3130-9

Client Sample ID: S-2 (0-1)

Client: NT Global

Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/04/22 23:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/04/22 13:56	10/04/22 23:26	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/04/22 23:26	1
n-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		10/04/22 13:56	10/04/22 23:26	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/04/22 23:26	1
(ylenes, Total	<0.00398	U *+	0.00398		mg/Kg		10/04/22 13:56	10/04/22 23:26	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
-Bromofluorobenzene (Surr)	102		70 - 130				10/04/22 13:56	10/04/22 23:26	1
,4-Difluorobenzene (Surr)	81		70 - 130				10/04/22 13:56	10/04/22 23:26	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/05/22 12:21	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
otal TPH	<49.9	U	49.9		mg/Kg			10/05/22 09:54	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Sasoline Range Organics	<49.9	U	49.9		mg/Kg		10/03/22 14:25	10/04/22 19:16	
GRO)-C6-C10									
iesel Range Organics (Over	<49.9	U	49.9		mg/Kg		10/03/22 14:25	10/04/22 19:16	
C10-C28)	10.0		10.0						
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/22 14:25	10/04/22 19:16	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
-Chlorooctane	125		70 - 130				10/03/22 14:25	10/04/22 19:16	
p-Terphenyl	111		70 - 130				10/03/22 14:25	10/04/22 19:16	
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - S	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	1400		25.1		mg/Kg			10/05/22 02:28	ł
lient Sample ID: S-3 (1-1.5)							Lab Sam	ple ID: 890-3	130-10
te Collected: 10/03/22 12:00								Matri	x: Solie
ate Received: 10/03/22 13:53									
Method: SW846 8021B - Volatile	•		·						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
	< 0.00201	U *+	0.00201		ma/Ka		10/04/22 13:56	10/04/22 23:52	

Analyte	Result	Quaimer	RL	WDL	Unit	U	Prepared	Analyzed	DIFac
Benzene	<0.00201	U *+	0.00201		mg/Kg		10/04/22 13:56	10/04/22 23:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/04/22 13:56	10/04/22 23:52	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		10/04/22 13:56	10/04/22 23:52	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		10/04/22 13:56	10/04/22 23:52	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		10/04/22 13:56	10/04/22 23:52	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		10/04/22 13:56	10/04/22 23:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/04/22 13:56	10/04/22 23:52	1
1,4-Difluorobenzene (Surr)	88		70 - 130				10/04/22 13:56	10/04/22 23:52	1

Eurofins Carlsbad

Released to Imaging: 2/14/2023 2:56:40 PM

Client Sample Results

Job ID: 890-3130-1 SDG: 226079

Matrix: Solid

5

Lab Sample ID: 890-3130-10

Client Sample ID: S-3 (1-1.5)

Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

Client: NT Global

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/05/22 12:21	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/05/22 09:54	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		10/03/22 14:25	10/04/22 19:38	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		10/03/22 14:25	10/04/22 19:38	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/03/22 14:25	10/04/22 19:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/03/22 14:25	10/04/22 19:38	1
o-Terphenyl	103		70 - 130				10/03/22 14:25	10/04/22 19:38	1
Method: MCAWW 300.0 - Anions,	Ion Chromato	graphy - So	oluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1670		25.2		mg/Kg			10/05/22 02:34	5

Client Sample ID: S-4 (4-4.5)

Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

Lab Sample ID: 890-3130-11 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/05/22 00:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/04/22 13:56	10/05/22 00:18	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/05/22 00:18	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		10/04/22 13:56	10/05/22 00:18	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		10/04/22 13:56	10/05/22 00:18	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		10/04/22 13:56	10/05/22 00:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/04/22 13:56	10/05/22 00:18	1
1,4-Difluorobenzene (Surr)	78		70 - 130				10/04/22 13:56	10/05/22 00:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier MDL Unit RL D Prepared Analyzed Dil Fac Total BTEX <0.00398 U 0.00398 mg/Kg 10/05/22 12:21 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Analyzed Dil Fac D Prepared Total TPH <49.9 U 10/05/22 09:54 49.9 mg/Kg 1 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Pocult Qualifior ы мпі Unit Dueneus Dil Eac

Analyte	Result	Quaimer	RL.		Unit	U	Frepareu	Analyzeu	DIFAC
Gasoline Range Organics	<49.9	U	49.9	r	mg/Kg		10/04/22 08:23	10/04/22 19:16	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	r	mg/Kg		10/04/22 08:23	10/04/22 19:16	1
C10-C28)									

Client Sample Results

Job ID: 890-3130-1 SDG: 226079

Client Sample ID: S-4 (4-4.5)

Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

Client: NT Global

Lab Sample ID: 890-3130-11

Matrix: Solid

5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/22 08:23	10/04/22 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				10/04/22 08:23	10/04/22 19:16	1
o-Terphenyl	90		70 - 130				10/04/22 08:23	10/04/22 19:16	1
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1350	F1	25.0		mg/Kg			10/05/22 02:40	5

Job ID: 890-3130-1
SDG: 226079

Prep Type: Total/NA

Prep Type: Total/NA

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Client: NT Global

				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-3122-A-1-C MS	Matrix Spike	135 S1+	97		
890-3122-A-1-D MSD	Matrix Spike Duplicate	124	91		
890-3130-1	H-1	95	87		
890-3130-2	H-2	121	87		
890-3130-3	H-3	126	80		
890-3130-4	H-4	99	86		
890-3130-5	H-5	130	85		
890-3130-6	H-6	115	86		
890-3130-7	H-7	121	86		
890-3130-8	S-1 (4-4.5)	110	100		
890-3130-9	S-2 (0-1)	102	81		
890-3130-10	S-3 (1-1.5)	102	88		
890-3130-11	S-4 (4-4.5)	108	78		
LCS 880-36062/1-A	Lab Control Sample	138 S1+	104		
LCSD 880-36062/2-A	Lab Control Sample Dup	120	94		
MB 880-36062/5-A	Method Blank	86	88		
Surrogate Legend					
BFB = 4-Bromofluorobe	nzono (Surr)				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 Lab Sample ID **Client Sample ID** (70-130) (70-130) 890-3113-A-41-B MS Matrix Spike 82 76 890-3113-A-41-C MSD Matrix Spike Duplicate 83 75 890-3114-A-32-D MS 96 88 Matrix Spike 890-3114-A-32-E MSD 82 75 Matrix Spike Duplicate 890-3130-1 H-1 111 103 890-3130-2 H-2 108 100 890-3130-3 H-3 102 96 890-3130-4 H-4 106 100 890-3130-5 H-5 101 97 890-3130-6 H-6 97 90 890-3130-7 H-7 99 93 890-3130-8 S-1 (4-4.5) 116 112 890-3130-9 S-2 (0-1) 125 111 890-3130-10 S-3 (1-1.5) 107 103 890-3130-11 S-4 (4-4.5) 90 90 LCS 880-36000/2-A Lab Control Sample 98 102 LCS 880-36028/2-A Lab Control Sample 99 104 LCSD 880-36000/3-A Lab Control Sample Dup 113 101 LCSD 880-36028/3-A Lab Control Sample Dup 100 106 MB 880-36000/1-A Method Blank 147 S1+ 143 S1+ MB 880-36028/1-A Method Blank 129 142 S1+ Surrogate Legend

Surrogate Summary

Client: NT Global Project/Site: Ichabod Water Booster Station OTPH = o-Terphenyl Job ID: 890-3130-1 SDG: 226079

Method: 8021B - Volatile Orga

Method: 8021B - Volatile Org	ganic Compo	ounds (GC)							
Lab Sample ID: MB 880-36062/5 Matrix: Solid Analysis Batch: 36055	- A						Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	Total/NA	4
Analysis Batch. 50055	МВ	MB						Fiep Datci	1. 30002	5
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		10/04/22 13:56	10/04/22 16:01	1	
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/22 13:56	10/04/22 16:01	1	_
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/04/22 13:56	10/04/22 16:01	1	7
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/04/22 13:56	10/04/22 16:01	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/04/22 13:56	10/04/22 16:01	1	2
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/04/22 13:56	10/04/22 16:01	1	
										0

Prepared

10/04/22 13:56

10/04/22 13:56 10/04/22 16:01

Client Sample ID: Lab Control Sample Dup

Analyzed

10/04/22 16:01

Prep Batch: 36062

Prep Type: Total/NA

	МВ	МВ	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: LCS 880-36062/1-A Matrix: Solid

Analysis Batch: 36055

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.1337	*+	mg/Kg		134	70 - 130
Toluene	0.100	0.1188		mg/Kg		119	70 - 130
Ethylbenzene	0.100	0.1392	*+	mg/Kg		139	70 - 130
m-Xylene & p-Xylene	0.200	0.2792	*+	mg/Kg		140	70 - 130
o-Xylene	0.100	0.1441	*+	mg/Kg		144	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-36062/2-A

Matrix: Solid

Analysis Batch: 36055							Prep	ep Batch: 3606	
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1174		mg/Kg		117	70 - 130	13	35
Toluene	0.100	0.1208		mg/Kg		121	70 - 130	2	35
Ethylbenzene	0.100	0.1192		mg/Kg		119	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.2376		mg/Kg		119	70 - 130	16	35
o-Xylene	0.100	0.1201		mg/Kg		120	70 - 130	18	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-3122-A-1-C MS

Matrix: Solid Analysis Potoby 26055

Analysis Batch: 36055									Prep	Prep Batch: 36062		
	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	<0.00198	U *+ F1	0.0998	0.1312	F1	mg/Kg		131	70 - 130			
Toluene	<0.00198	U F1	0.0998	0.1402	F1	mg/Kg		140	70 - 130			

Eurofins Carlsbad

Prep Type: Total/NA

Client Sample ID: Matrix Spike

Job ID: 890-3130-1 SDG: 226079

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

Job ID: 890-3130-1
SDG: 226079

Page 57 of 160

			Q	C Sam	pie r	tesu	Its							ID 000 (
ent: NT Global oject/Site: Ichabod Water Boosi	ster Station												JOD	ID: 890-3 SDG: 2	
ethod: 8021B - Volatile O	rganic Cor	npo	unds (C	SC) (Co	ntinu	ied)									
Lab Sample ID: 890-3122-A-1-0	CMS										CI	lient S	Sample ID): Matrix	Spike
Matrix: Solid														Type: To	
Analysis Batch: 36055													Prep	Batch:	36062
	Sample	Sam	ple	Spike		MS	MS						%Rec		
Analyte	Result	Qual	ifier	Added		Result	Qua	lifier	Unit		D %F	Rec	Limits		
Ethylbenzene	<0.00198	U *+	F1	0.0998		0.1398	F1		mg/Kg			140	70 - 130		
m-Xylene & p-Xylene	< 0.00396	U *+	F1	0.200		0.2793	F1		mg/Kg		•	140	70 - 130		
o-Xylene	<0.00198	U *+	F1	0.0998		0.1352	F1		mg/Kg			136	70 - 130		
	MS	мs													
Surrogate	%Recovery		ifier	Limits											
4-Bromofluorobenzene (Surr)		S1+		70 - 130	-										
1,4-Difluorobenzene (Surr)	97			70 <u>-</u> 130											
,	07														
Lab Sample ID: 890-3122-A-1-E	D MSD									Clie	nt Samp	le ID:	Matrix S	pike Dur	plicate
Matrix: Solid														Туре: То	
Analysis Batch: 36055													Prep	Batch:	36062
	Sample	Sam	ple	Spike		MSD	MSD)					%Rec		RPD
Analyte	Result	Qual	ifier	Added		Result	Qua	lifier	Unit		D_%F	Rec	Limits	RPD	Limit
Benzene	<0.00198	U *+	F1	0.0996		0.1158			mg/Kg			116	70 - 130	12	35
Toluene	<0.00198	U F1		0.0996		0.1192			mg/Kg			120	70 - 130	16	35
Ethylbenzene	<0.00198	U *+	F1	0.0996		0.1180			mg/Kg			119	70 - 130	17	35
m-Xylene & p-Xylene	<0.00396	U *+	F1	0.199		0.2364			mg/Kg			119	70 - 130	17	35
o-Xylene	<0.00198	U *+	F1	0.0996		0.1185			mg/Kg			119	70 - 130	13	35
	MSD	MSD													
Surrogate	%Recovery		ifier	Limits											
4-Bromofluorobenzene (Surr)	124			70 - 130	-										
1,4-Difluorobenzene (Surr)	91			70 - 130											
/ /ethod: 8015B NM - Diese	l Range Or	rgar	ics (DR	O) (GC))										
Lab Sample ID: MB 880-36000/											Cliv	ant Co	mple ID:	Mathad	Blank
Matrix: Solid	/1-A										Cite	ant Se	-	Туре: То	
Analysis Batch: 36021														p Batch:	
Analysis Datch. 30021		мв	MB										110) Daten.	50000
Analyte	R		Qualifier		RL		MDL	Unit		D	Prepa	red	Analy	zed	Dil Fac
Gasoline Range Organics		<50.0			50.0			mg/Kg	1	-	10/03/22		10/04/22		1
(GRO)-C6-C10									•						
Diesel Range Organics (Over	<	<50.0	U		50.0			mg/Kg	9		10/03/22	14:25	10/04/22	10:16	1
C10-C28)					_										
Oll Range Organics (Over C28-C36)	<	<50.0	U		50.0			mg/Kg	9		10/03/22	14:25	10/04/22	10:16	1
		MB	МВ												
Surrogate	%Recc		Qualifier	Lim	nits						Prepa	red	Analy	zed	Dil Fac
1-Chlorooctane			S1+		. 130						10/03/22		10/04/22		1
o-Terphenyl		143		70 -	130						10/03/22	14:25	10/04/22	: 10:16	1
•															
Lab Sample ID: LCS 880-36000	0/2-A									С	lient Sa	mple	ID: Lab C		
Matrix: Solid														Туре: То	
Analysis Batch: 36021													Prep	Batch :	36000

Analysis Batch: 36021							Prep Batch: 3600					
	Spike	LCS	LCS				%Rec					
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits					
Gasoline Range Organics	1000	825.3		mg/Kg		83	70 _ 130					
(GRO)-C6-C10												
Diesel Range Organics (Over	1000	980.5		mg/Kg		98	70 - 130					
C10-C28)												

Client: NT Global Project/Site: Ichabod Water Booster Station

Lab Sample ID: LCS 880-36000/2-A

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

Job ID: 890-3130-1 SDG: 226079	1
	3
Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 36000	4
Trop Batch. 00000	5

Analysis Batch: 36021			
	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: LCSD 880-36000/3-A Matrix: Solid Analysis Batch: 36021

Analysis Batch: 36021								Batch:	
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	825.4		mg/Kg		83	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	976.9		mg/Kg		98	70 - 130	0	20

	LCSD L	CSD	
Surrogate	%Recovery Q	ualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 890-3113-A-41-B MS Matrix: Solid

Matrix: Solid										Type: To	
Analysis Batch: 36021	Sample	Sample	Spike	MS	MS				%Rec	o Batch:	30000
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	798.8		mg/Kg		80	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	945.0		mg/Kg		92	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	76		70 - 130

Lab Sample ID: 890-3113-A-41-C MSD Matrix: Solid

Analysis Batch: 36021

Analysis Batch: 36021									Prep	Batch:	36000
	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	827.4		mg/Kg		83	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	952.9		mg/Kg		93	70 - 130	1	20
	MSD	MSD									

	WSD WSD	
Surrogate	%Recovery Quali	fier Limits
1-Chlorooctane	83	70 - 130
o-Terphenyl	75	70 - 130

Page 58 of 160

Client Sample ID: Matrix Spike

Client: NT Global Project/Site: Ichabod Water Booster Station

Lab Sample ID: MB 880-36028/1-A

Matrix: Solid

(GRO)-C6-C10

Analyte

C10-C28)

Surrogate

o-Terphenyl

Analyte

C10-C28)

1-Chlorooctane

Matrix: Solid

(GRO)-C6-C10

Analysis Batch: 36019

Gasoline Range Organics

Diesel Range Organics (Over

Analysis Batch: 36019

Gasoline Range Organics

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

Lab Sample ID: LCS 880-36028/2-A

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

MB MB Result Qualifier

<50.0 U

<50.0 U

<50.0 U **MB MB**

%Recovery Qualifier

142 S1+

129

	226079	SDG:									
								ed)	ntinue) (Co) (GC
	Total/NA	mple ID: Metho Prep Type:	Sai	Client							
5	1: 36028	Prep Batcl									
	Dil Fac	Analyzed		repared	P	D		MDL Unit		RL	
	1	10/04/22 10:16	23	4/22 08:	10/0	_	J	mg/Kg		50.0	
7	1	10/04/22 10:16	23	4/22 08:	10/0		1	mg/Kg		50.0	
8	1	10/04/22 10:16	23	4/22 08:	10/0		I	mg/Kg		50.0	
0	Dil Fac	Analyzed		repared	F					nits	Lin
	1	10/04/22 10:16	23	4/22 08:	10/0					_ 130	70.
	1	10/04/22 10:16	23	4/22 08:	10/0					- 130	70 -
	Total/NA	D: Lab Control Prep Type: ⁻	le II	Samp	lien	С					
	1. 30020	Prep Batcl %Rec						109	LCS		Spike
		Limits		%Rec	D		Unit	Qualifier			Added
		70 - 130		95			mg/Kg		950.3		1000
		70 - 130		90			mg/Kg		897.7		1000

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Client Sample ID: Matrix Spike

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: LCSD 880-36028/3-A

Matrix: Solid

Analysis Batch: 36019							Prep	Batch:	36028
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	865.0		mg/Kg		86	70 - 130	9	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	902.2		mg/Kg		90	70 - 130	0	20
C10-C28)									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: 890-3114-A-32-D MS Matrix: Solid

Analysis Batch: 36019									Prep	p Batch: 36028	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<50.0	U	998	983.0		mg/Kg		97	70 - 130		
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.0	U	998	1166		mg/Kg		114	70 - 130		
C10-C28)											

Lab Sample ID: 890-3114-A-32-D MS

Lab Sample ID: 890-3114-A-32-E MSD

Matrix: Solid

Surrogate

o-Terphenyl

Analyte

1-Chlorooctane

Matrix: Solid

Analysis Batch: 36019

Analysis Batch: 36019

Gasoline Range Organics (GRO)-C6-C10

- ----

QC Sample Results

Limits

70 - 130

70 - 130

Spike

Added

999

000

MSD MSD

1106

4007

Result Qualifier

Unit

mg/Kg

D

%Rec

109

~~

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

MS MS

%Recovery Qualifier

96

88

Sample Sample

<50.0 U

Result Qualifier

Page 60 of 160

Job ID: 890-3130-1 SDG: 226079

Client Sample ID: Matrix Spike Prep Type: Total/NA Prep Batch: 36028 7 Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA Prep Batch: 36028 RPD Limit 20 ~~

1		
	-	

RPD

12

40

%Rec

Limits

70 - 130

70 400

Diesel Range Organics (Over C10-C28)	<50.0	U		999		1007			mg/Kg		98	70 - 130	15	20
010-028)														
		MSD												
Surrogate	%Recovery	Quali	fier	Limits	-									
1-Chlorooctane	82			70 - 130										
o-Terphenyl	75			70 - 130										
Method: 300.0 - Anions,	Ion Chromat	ogra	phy											
Lab Sample ID: MB 880-360	68/1-A										Client S	Sample ID: N	lethod	Blank
Matrix: Solid												Prep T	ype: S	oluble
Analysis Batch: 36102														
-		МВ	МВ											
Analyte	R	esult	Qualifier		RL		MDL	Unit		D	Prepared	Analyze	d	Dil Fac
Chloride	<	<5.00	U		5.00			mg/Kg				10/05/22 0	1:00	1
Lab Sample ID: LCS 880-360	068/2-A									Clier	t Sample	ID: Lab Co	ntrol S	ample
Matrix: Solid														oluble
Analysis Batch: 36102													,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
				Spike		LCS	LCS					%Rec		
Analyte				Added		Result	Quali	fier	Unit	D	%Rec	Limits		
Chloride				250		253.0			mg/Kg		101	90 - 110		
Lab Sample ID: LCSD 880-3	6068/3-A								Cli	ent Sai	nple ID:	Lab Control	Samp	le Dup
Matrix: Solid												Prep T	vbe. c	Duble
Matrix: Solid Analysis Batch: 36102												Prep T	ype. c	oluble
				Spike		LCSD	LCSD)				Prep T %Rec	ype. c	RPD
				Spike Added		LCSD Result			Unit	D	%Rec		RPD	
Analysis Batch: 36102									Unit mg/Kg	<u>D</u>	% Rec	%Rec		RPD
Analysis Batch: 36102 Analyte Chloride				Added		Result				<u>D</u>		%Rec Limits 90 - 110	RPD 6	RPD Limit 20
Analysis Batch: 36102 Analyte				Added		Result				<u>D</u>		%Rec Limits 90 - 110 Client Sa	RPD 6	RPD Limit 20
Analysis Batch: 36102 Analyte Chloride Lab Sample ID: 890-3130-1 I Matrix: Solid				Added		Result				<u> </u>		%Rec Limits 90 - 110 Client Sa	RPD 6	RPD Limit 20
Analysis Batch: 36102 Analyte Chloride Lab Sample ID: 890-3130-1 I	MS Sample	Samp		Added		Result 237.6				<u>D</u>		%Rec Limits 90 - 110 Client Sa	RPD 6	RPD Limit 20
Analysis Batch: 36102 Analyte Chloride Lab Sample ID: 890-3130-1 I Matrix: Solid				Added 250		Result 237.6	Quali	fier		D 		%Rec Limits 90 - 110 Client Sa Prep T	RPD 6	RPD Limit 20

Lab Sample ID: 890-3130-1 MSD

Job ID: 890-3130-1 SDG: 226079

Client Sample ID: H-1 Prep Type: Soluble

Matrix: Solid									Prep	Type: Se	oluble
Analysis Batch: 36102											
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	427	F1	1260	1568		mg/Kg		90	90 - 110	8	20
Lab Sample ID: 890-3130-11 MS								Clie	nt Sample	ID: S-4 ((4-4.5)
Matrix: Solid									Prep	Type: Se	oluble
Analysis Batch: 36102											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	1350	F1	1250	2411	F1	mg/Kg		85	90 _ 110		
Lab Sample ID: 890-3130-11 MSD								Clie	nt Sample	ID: S-4 ((4-4.5)
Matrix: Solid									Prep	Type: So	oluble
Analysis Batch: 36102											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1350	F1	1250	2550		mg/Kg		96	90 - 110	6	20

QC Association Summary

Client: NT Global Project/Site: Ichabod Water Booster Station

Analysis Batch: 36055

nalysis Batch: 36055					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3130-1	H-1	Total/NA	Solid	8021B	36062
890-3130-2	H-2	Total/NA	Solid	8021B	36062
890-3130-3	H-3	Total/NA	Solid	8021B	36062
890-3130-4	H-4	Total/NA	Solid	8021B	36062
890-3130-5	H-5	Total/NA	Solid	8021B	36062
890-3130-6	H-6	Total/NA	Solid	8021B	36062
890-3130-7	H-7	Total/NA	Solid	8021B	36062
890-3130-8	S-1 (4-4.5)	Total/NA	Solid	8021B	36062
890-3130-9	S-2 (0-1)	Total/NA	Solid	8021B	36062
890-3130-10	S-3 (1-1.5)	Total/NA	Solid	8021B	36062
890-3130-11	S-4 (4-4.5)	Total/NA	Solid	8021B	36062
MB 880-36062/5-A	Method Blank	Total/NA	Solid	8021B	36062
LCS 880-36062/1-A	Lab Control Sample	Total/NA	Solid	8021B	36062
LCSD 880-36062/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36062
890-3122-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	36062
890-3122-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	36062

Prep Batch: 36062

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3130-1	H-1	Total/NA	Solid	5035	
890-3130-2	H-2	Total/NA	Solid	5035	
890-3130-3	H-3	Total/NA	Solid	5035	
890-3130-4	H-4	Total/NA	Solid	5035	
890-3130-5	H-5	Total/NA	Solid	5035	
890-3130-6	H-6	Total/NA	Solid	5035	
890-3130-7	H-7	Total/NA	Solid	5035	
890-3130-8	S-1 (4-4.5)	Total/NA	Solid	5035	
890-3130-9	S-2 (0-1)	Total/NA	Solid	5035	
890-3130-10	S-3 (1-1.5)	Total/NA	Solid	5035	
890-3130-11	S-4 (4-4.5)	Total/NA	Solid	5035	
MB 880-36062/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36062/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36062/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3122-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-3122-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 36178

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3130-1	H-1	Total/NA	Solid	Total BTEX	
890-3130-2	H-2	Total/NA	Solid	Total BTEX	
890-3130-3	H-3	Total/NA	Solid	Total BTEX	
890-3130-4	H-4	Total/NA	Solid	Total BTEX	
890-3130-5	H-5	Total/NA	Solid	Total BTEX	
890-3130-6	H-6	Total/NA	Solid	Total BTEX	
890-3130-7	H-7	Total/NA	Solid	Total BTEX	
890-3130-8	S-1 (4-4.5)	Total/NA	Solid	Total BTEX	
890-3130-9	S-2 (0-1)	Total/NA	Solid	Total BTEX	
890-3130-10	S-3 (1-1.5)	Total/NA	Solid	Total BTEX	
890-3130-11	S-4 (4-4.5)	Total/NA	Solid	Total BTEX	

Job ID: 890-3130-1

Page 62 of 160

SDG: 226079

QC Association Summary

Client: NT Global Project/Site: Ichabod Water Booster Station

Prep Batch: 36000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3130-1	H-1	Total/NA	Solid	8015NM Prep	
890-3130-2	H-2	Total/NA	Solid	8015NM Prep	
890-3130-3	H-3	Total/NA	Solid	8015NM Prep	
890-3130-4	H-4	Total/NA	Solid	8015NM Prep	
890-3130-5	H-5	Total/NA	Solid	8015NM Prep	
890-3130-6	H-6	Total/NA	Solid	8015NM Prep	
890-3130-7	H-7	Total/NA	Solid	8015NM Prep	
890-3130-8	S-1 (4-4.5)	Total/NA	Solid	8015NM Prep	
890-3130-9	S-2 (0-1)	Total/NA	Solid	8015NM Prep	
890-3130-10	S-3 (1-1.5)	Total/NA	Solid	8015NM Prep	
MB 880-36000/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36000/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36000/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3113-A-41-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3113-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	
—					

Analysis Batch: 36019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-3130-11	S-4 (4-4.5)	Total/NA	Solid	8015B NM	36028	
MB 880-36028/1-A	Method Blank	Total/NA	Solid	8015B NM	36028	
LCS 880-36028/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36028	
LCSD 880-36028/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36028	
890-3114-A-32-D MS	Matrix Spike	Total/NA	Solid	8015B NM	36028	
890-3114-A-32-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	36028	

Analysis Batch: 36021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3130-1	H-1	Total/NA	Solid	8015B NM	36000
890-3130-2	H-2	Total/NA	Solid	8015B NM	36000
890-3130-3	H-3	Total/NA	Solid	8015B NM	36000
890-3130-4	H-4	Total/NA	Solid	8015B NM	36000
890-3130-5	H-5	Total/NA	Solid	8015B NM	36000
890-3130-6	H-6	Total/NA	Solid	8015B NM	36000
890-3130-7	H-7	Total/NA	Solid	8015B NM	36000
890-3130-8	S-1 (4-4.5)	Total/NA	Solid	8015B NM	36000
890-3130-9	S-2 (0-1)	Total/NA	Solid	8015B NM	36000
890-3130-10	S-3 (1-1.5)	Total/NA	Solid	8015B NM	36000
MB 880-36000/1-A	Method Blank	Total/NA	Solid	8015B NM	36000
LCS 880-36000/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36000
LCSD 880-36000/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36000
890-3113-A-41-B MS	Matrix Spike	Total/NA	Solid	8015B NM	36000
890-3113-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	36000

Prep Batch: 36028

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3130-11	S-4 (4-4.5)	Total/NA	Solid	8015NM Prep	
MB 880-36028/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36028/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36028/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3114-A-32-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3114-A-32-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

Page 63 of 160

Job ID: 890-3130-1 SDG: 226079

QC Association Summary

Client: NT Global Project/Site: Ichabod Water Booster Station

Job ID: 890-3130-1 SDG: 226079

GC Semi VOA

Analysis Batch: 36150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3130-1	H-1	Total/NA	Solid	8015 NM	
890-3130-2	H-2	Total/NA	Solid	8015 NM	
890-3130-3	H-3	Total/NA	Solid	8015 NM	
890-3130-4	H-4	Total/NA	Solid	8015 NM	
890-3130-5	H-5	Total/NA	Solid	8015 NM	
890-3130-6	H-6	Total/NA	Solid	8015 NM	
890-3130-7	H-7	Total/NA	Solid	8015 NM	
890-3130-8	S-1 (4-4.5)	Total/NA	Solid	8015 NM	
890-3130-9	S-2 (0-1)	Total/NA	Solid	8015 NM	
890-3130-10	S-3 (1-1.5)	Total/NA	Solid	8015 NM	
890-3130-11	S-4 (4-4.5)	Total/NA	Solid	8015 NM	
PLC/IC each Batch: 36068					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3130-1	H-1	Soluble	Solid	DI Leach	
890-3130-2	H-2	Soluble	Solid	DI Leach	
890-3130-3	H-3	Soluble	Solid	DI Leach	
890-3130-4	H-4	Soluble	Solid	DI Leach	
890-3130-5	H-5	Soluble	Solid	DI Leach	

HPLC/IC

Leach Batch: 36068

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3130-1	H-1	Soluble	Solid	DI Leach	
890-3130-2	H-2	Soluble	Solid	DI Leach	
890-3130-3	H-3	Soluble	Solid	DI Leach	
890-3130-4	H-4	Soluble	Solid	DI Leach	
890-3130-5	H-5	Soluble	Solid	DI Leach	
890-3130-6	H-6	Soluble	Solid	DI Leach	
890-3130-7	H-7	Soluble	Solid	DI Leach	
890-3130-8	S-1 (4-4.5)	Soluble	Solid	DI Leach	
890-3130-9	S-2 (0-1)	Soluble	Solid	DI Leach	
890-3130-10	S-3 (1-1.5)	Soluble	Solid	DI Leach	
890-3130-11	S-4 (4-4.5)	Soluble	Solid	DI Leach	
MB 880-36068/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36068/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36068/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3130-1 MS	H-1	Soluble	Solid	DI Leach	
890-3130-1 MSD	H-1	Soluble	Solid	DI Leach	
890-3130-11 MS	S-4 (4-4.5)	Soluble	Solid	DI Leach	
890-3130-11 MSD	S-4 (4-4.5)	Soluble	Solid	DI Leach	

Analysis Batch: 36102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3130-1	H-1	Soluble	Solid	300.0	36068
890-3130-2	H-2	Soluble	Solid	300.0	36068
890-3130-3	H-3	Soluble	Solid	300.0	36068
890-3130-4	H-4	Soluble	Solid	300.0	36068
890-3130-5	H-5	Soluble	Solid	300.0	36068
890-3130-6	H-6	Soluble	Solid	300.0	36068
890-3130-7	H-7	Soluble	Solid	300.0	36068
890-3130-8	S-1 (4-4.5)	Soluble	Solid	300.0	36068
890-3130-9	S-2 (0-1)	Soluble	Solid	300.0	36068
890-3130-10	S-3 (1-1.5)	Soluble	Solid	300.0	36068
890-3130-11	S-4 (4-4.5)	Soluble	Solid	300.0	36068
MB 880-36068/1-A	Method Blank	Soluble	Solid	300.0	36068
LCS 880-36068/2-A	Lab Control Sample	Soluble	Solid	300.0	36068
LCSD 880-36068/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36068

Eurofins Carlsbad

Page 64 of 160

Released to Imaging: 2/14/2023 2:56:40 PM

Job ID: 890-3130-1

SDG: 226079

QC Association Summary

Client: NT Global Project/Site: Ichabod Water Booster Station

HPLC/IC (Continued)

Analysis Batch: 36102 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3130-1 MS	H-1	Soluble	Solid	300.0	36068
890-3130-1 MSD	H-1	Soluble	Solid	300.0	36068
890-3130-11 MS	S-4 (4-4.5)	Soluble	Solid	300.0	36068
890-3130-11 MSD	S-4 (4-4.5)	Soluble	Solid	300.0	36068

5

9

Job ID: 890-3130-1 SDG: 226079

Lab Sample ID: 890-3130-1 Matrix: Solid

Lab Sample ID: 890-3130-2

Lab Sample ID: 890-3130-3

Lab Sample ID: 890-3130-4

Matrix: Solid

Matrix: Solid

Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

Client Sample ID: H-1

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36062	10/04/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/04/22 18:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36178	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36150	10/05/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36000	10/04/22 09:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36021	10/04/22 16:15	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	36068	10/04/22 15:11	KS	EET MID
Soluble	Analysis	300.0		5			36102	10/05/22 01:18	СН	EET MID

Client Sample ID: H-2

Date Collected: 10/03/22 12:00

Date Received: 10/03/22 13:53

	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	36062	10/04/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/04/22 19:04	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36178	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36150	10/05/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36000	10/03/22 14:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36021	10/04/22 16:37	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	36068	10/04/22 15:11	KS	EET MID
Soluble	Analysis	300.0		10			36102	10/05/22 01:35	СН	EET MID

Client Sample ID: H-3

Date Collected: 10/03/22 12:00

Date Received: 10/03/22 13:53

	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	36062	10/04/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/04/22 19:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36178	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36150	10/05/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36000	10/03/22 14:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36021	10/04/22 17:07	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	36068	10/04/22 15:11	KS	EET MID
Soluble	Analysis	300.0		1			36102	10/05/22 01:41	СН	EET MID

Client Sample ID: H-4 Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

	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	36062	10/04/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/04/22 19:56	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36178	10/05/22 12:21	SM	EET MID

Eurofins Carlsbad

Matrix: Solid

Released to Imaging: 2/14/2023 2:56:40 PM

Job ID: 890-3130-1 SDG: 226079

Lab Sample ID: 890-3130-4 Matrix: Solid

Lab Sample ID: 890-3130-5

Lab Sample ID: 890-3130-6

Lab Sample ID: 890-3130-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

Client Sample ID: H-4

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			36150	10/05/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36000	10/03/22 14:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36021	10/04/22 17:29	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36068	10/04/22 15:11	KS	EET MID
Soluble	Analysis	300.0		1			36102	10/05/22 01:47	СН	EET MID

Client Sample ID: H-5 Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

	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	36062	10/04/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/04/22 20:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36178	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36150	10/05/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36000	10/03/22 14:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36021	10/04/22 17:50	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	36068	10/04/22 15:11	KS	EET MID
Soluble	Analysis	300.0		1			36102	10/05/22 01:53	СН	EET MID

Client Sample ID: H-6

Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	36062	10/04/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/04/22 22:08	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36178	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36150	10/05/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36000	10/03/22 14:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36021	10/04/22 18:12	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	36068	10/04/22 15:11	KS	EET MID
Soluble	Analysis	300.0		1			36102	10/05/22 02:10	CH	EET MID

Client Sample ID: H-7 Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	36062	10/04/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/04/22 22:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36178	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36150	10/05/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36000	10/03/22 14:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36021	10/04/22 18:33	SM	EET MID

Lab Chronicle

Job ID: 890-3130-1 SDG: 226079

Lab Sample ID: 890-3130-8

Lab Sample ID: 890-3130-9

Lab Sample ID: 890-3130-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

9

Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

Client Sample ID: H-7

Client: NT Global

	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	36068	10/04/22 15:11	KS	EET MID
Soluble	Analysis	300.0		1			36102	10/05/22 02:16	СН	EET MID

Client Sample ID: S-1 (4-4.5) Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

	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	36062	10/04/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/04/22 23:00	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36178	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36150	10/05/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36000	10/03/22 14:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36021	10/04/22 18:55	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	36068	10/04/22 15:11	KS	EET MID
Soluble	Analysis	300.0		10			36102	10/05/22 02:22	СН	EET MID

Client Sample ID: S-2 (0-1) Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

	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	36062	10/04/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/04/22 23:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36178	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36150	10/05/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36000	10/03/22 14:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36021	10/04/22 19:16	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	36068	10/04/22 15:11	KS	EET MID
Soluble	Analysis	300.0		5			36102	10/05/22 02:28	СН	EET MID

Client Sample ID: S-3 (1-1.5) Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

Lab Sample ID: 890-3130-10 Matrix: Solid

Prep Type Type Total/NA Prep	Method	Run	Factor	Amount	Amount	Number	.		
	5035				Amount	Number	or Analyzed	Analyst	Lab
—				4.97 g	5 mL	36062	10/04/22 13:56	MNR	EET MID
Total/NA Analysis	8021B		1	5 mL	5 mL	36055	10/04/22 23:52	AJ	EET MID
Total/NA Analysis	Total BTEX		1			36178	10/05/22 12:21	SM	EET MID
Total/NA Analysis	8015 NM		1			36150	10/05/22 09:54	SM	EET MID
Total/NA Prep	8015NM Prep			10.03 g	10 mL	36000	10/03/22 14:25	DM	EET MID
Total/NA Analysis	8015B NM		1	1 uL	1 uL	36021	10/04/22 19:38	SM	EET MID
Soluble Leach	DI Leach			4.97 g	50 mL	36068	10/04/22 15:11	KS	EET MID
Soluble Analysis	300.0		5			36102	10/05/22 02:34	СН	EET MID

Eurofins Carlsbad

Released to Imaging: 2/14/2023 2:56:40 PM

Job ID: 890-3130-1 SDG: 226079

Matrix: Solid

9

Lab Sample ID: 890-3130-11

Client Sample ID: S-4 (4-4.5) Date Collected: 10/03/22 12:00 Date Received: 10/03/22 13:53

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36062	10/04/22 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/05/22 00:18	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36178	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36150	10/05/22 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36028	10/04/22 08:23	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36019	10/04/22 19:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36068	10/04/22 15:11	KS	EET MID
Soluble	Analysis	300.0		5			36102	10/05/22 02:40	СН	EET MID

Laboratory References:

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

Eurofins Carlsbad

Released to Imaging: 2/14/2023 2:56:40 PM

Accreditation/Certification Summary

aboratory: Eurofi	ns Midland				
less otherwise noted, all a	nalytes for this laboratory we	re covered under each acci	reditation/certification below.		
Authority		ogram	Identification Number	Expiration Date	
exas	NE	ELAP	T104704400-22-24	06-30-23	
		ut the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for which	
the agency does not off Analysis Method	fer certification. Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		

Eurofins Carlsbad

.

Job ID: 890-3130-1 SDG: 226079

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

Protocol References:

Client: NT Global

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:

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

Sample Summary

Job ID: 890-3130-1
SDG: 226079

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
390-3130-1	H-1	Solid	10/03/22 12:00	10/03/22 13:53	
390-3130-2	H-2	Solid	10/03/22 12:00	10/03/22 13:53	
90-3130-3	H-3	Solid	10/03/22 12:00	10/03/22 13:53	5
90-3130-4	H-4	Solid	10/03/22 12:00	10/03/22 13:53	
90-3130-5	H-5	Solid	10/03/22 12:00	10/03/22 13:53	
90-3130-6	H-6	Solid	10/03/22 12:00	10/03/22 13:53	
90-3130-7	H-7	Solid	10/03/22 12:00	10/03/22 13:53	
90-3130-8	S-1 (4-4.5)	Solid	10/03/22 12:00	10/03/22 13:53	
90-3130-9	S-2 (0-1)	Solid	10/03/22 12:00	10/03/22 13:53	
90-3130-10	S-3 (1-1.5)	Solid	10/03/22 12:00	10/03/22 13:53	ð
90-3130-11	S-4 (4-4.5)	Solid	10/03/22 12:00	10/03/22 13:53	9
					1(
					12
					1

	ENVIRONMENTA										-	WORK OFder NO:	Page 1	of 2
	than Concerns				Rill to: /# differen	-	West	Wesley Mathews	DW/S			Work Order Comments	omments	
Company Name: N	NTG Environmental	ental			Company Name	le:	Devo	Devon Energy	<		Program: UST/P	Program: UST/PST PRP prownfields RRC	fields RRC	
	402 E Wood Ave	Ō			Address:		6488	Seven	6488 Seven Rivers Highway	ghway	State of Project:]
te ZIP:	Carlsbad, NM 88220	8220			City, State ZIP:		Artes	Artesia, NM 88210	38210		Reporting:Level II Level III	I Level III PST/UST	UST TRRP	
	254-266-5456			Email:	Wesley.Mathews@dvn.com	iews@dv	n.com				Deliverables: EDD		Other:	
Project Name:	Ichabod Wa	Ichabod Water Booster Station	tation	Turn	Turn Around					ANALYSIS REQUEST	QUEST		Preservative Codes	ve Codes
Project Number:		226079	_	Routine	く Rush	Pres. Code	œ ."						None: NO	DI Water: H ₂ O
Project Location	Lei	Lea Co. NM	D	Due Date:	48HR)					Cool: Cool	MeOH: Me
Sampler's Name:	Jor	Jordan Tyner		FAT starts the	TAT starts the day received by the	B		MRO				_	HCL: HC	HNO3: HN
PO#		21060585			too by thoopin		-	20 +) 					
SAMPLE RECEIPT		ω	Yeś (No)	Wet Ice:	- I V	ame	021B	+ DF	450				Namso .: NARIS	
Coolor Custody Sooler	l d		Correction Eactor	antor:		Par	EX 8	GRC	oride			но	Na,S,O,: NaSO	
Sample Custody Seals:	Yes	(N/A)	Temperature Reading:	Reading:	24.4		вт	5M (Ch		-	-	Zn Acetate+NaOH: Zn	H: Zn
Total Containers:			Corrected Temperature:	emperature:	24.0	P		1 801					NaOH+Ascorbic Acid: SAPC	Acid: SAPC
Sample Identification	ication	Date	Time	Soil	Water Comp	np Cont	7.4	TPł					Sample Comments	omments
H-1		10/3/2022		×	Grab/	3b/ 1	×	×	×					
H-2		10/3/2022		×	Grab/	ab/ 1	×	×	×					
H-3		10/3/2022		×	Grab/	ab/ 1	×	×	×					
H-4		10/3/2022		×	Grab/	ab/ 1	×	×	×					
H-5		10/3/2022		×	Grab/	ab/ 1	×	×	×					
9-H		10/3/2022		×	Grab/	ab/ 1	×	×	×					
H-7		10/3/2022		×	Grab/	ab/ 1	×	×	×					
S-1	(5'h-h	10/3/2022		×	Grab/	1 1	×	×	×					
S-2	(-1-)	10/3/2022		×	Grab/	ab/ 1	×	×	×					
S-3	[1-1,5)	10/3/2022		×	Grab/	ab/ 1	×	×	×					
Addition	Additional Comments:	A												
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. For 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 a of service. A minimum charge of \$56.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be	cument and relinguistic to the construction of \$85.00 will be	uishment of samp st of samples and applied to each p	les constitutes shall not assu	a vaild purchas me any respons arge of \$5 for e	e order from clie sibility for any los ach sample subr	nt company ses or expe	to Xenco, nses incur co, but noi	its affiliat red by the analyzed	es and sub client if su	19 7 110	It assigns standard terms and conditions e due to circumstances beyond the contro nforced unless previously negotlated.	<u>o</u> «		
Relinquished by: (Signature)	Signature)		Received by:	oy: (Signature)	re)	_	Date/Time	Time		Relinquished by: (Signature)	ture) Rec	Received by: (Signature)		Date/Time
- Delat	7	Ano	alar	2 fe	t	101	cele	13	5					
Poor		1 Yro	to a	27			3100		0					

Received by OCD: 1/25/2023 10:34:45 AM



Page 73 of 160

5 6 13

Chain of Custody

	Received by: (Signature) Date/Time						Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	H Na ₂ S ₂ O ₃ ; NaSO ₃	NaHSO4: NABIS	H ₃ PO ₄ : HP			Cool: Cool MeOH: Me	None: NO DI Water: H ₂ O	Preservative Codes	ADaPT U Other:)	PRP Brownfields PRC Duperfund	Work Order Comments	Page of2
	re) Receive	terms and conditions iss beyond the control susty negotiated.															UEST	Deliverables: EDD	Reporting:Level II Level III	State of Project:	Program: UST/PST PRP		
4	Relinquished by: (Signature)	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 assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control 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.								-							ANALYSIS REQUEST			Highway			
1353	Date/Time	;o, its affiliates and s ;urred by the client if not analyzed. These				× × ×	TPI	H 801	15M	(GR	tO +	DRC) + M	RO)	-			3	Artesia, NM 88210	6488 Seven Rivers Highway	Devon Energy	Wesley Mathews	
eelslai	Dat	npany to Xenc r expenses inc to Xenco, but					# of Cont		-			nete	rs			Pres.		@dvn.con	Ar	64	De	V	
T	re)	e order from client cou ibility for any losses o ach sample submitted				Grab/	Water Comp					Yes No	lab, if received by 4:30pm	day received by the	48HR	Rush	Turn Around	Email: Wesley.Mathews@dvn.com	City, State ZIP:	Address:	Company Name:	Bill to: (if different)	
a Sty	Received by: (Signature	slitules a valid purchas ot assume any respons and a charge of \$5 for e				×	ne Soil	Corrected Temperature:	Temperature Reading:	Correction Factor:	8	No Wet Ice:	lab, if race	TAT starts the	Due Date:	Routine		Email:					
evel	Rece	t of samples con: nples and shall m to each project a				10/3/2022	Date Time	Corre	N/A Temp	N/A Corre		Yes	35	yner	M	9	oster Station					I	
N	nature)	comments: ent and relinquishmer only for the cost of sar \$85.00 will be applied	 _		_	H-4,5) 10/3		11	Yes No	ō	Yes No	Temp Blank:	21060585	Jordan Tyner	Lea Co. NM	226079	Ichabod Water Booster Station	254-266-5456	Carlsbad, NM 88220	402 E Wood Ave	NTG Environmental	Ethan Sessums	NVIRONMENTAL
Acho	Relinquished by: (Signature)	Additional Comments: https://www.andlibecommentand/lingui- https://www.andlibecommentand/lingui- service. Xenco will be liable only for the cost Xenco. A minimum charge of \$85.00 will be a				S-4 (H	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO #	Sampler's Name:	Project Location	er:	Project Name:	Phone: 254-	City, State ZIP: Carls	Address: 402		Project Manager: Etha	ENVIR

Received by OCD: 1/25/2023 10:34:45 AM

Page 74 of 160

5

13

Chain of Custody

Login Sample Receipt Checklist

Client: NT Global

Login Number: 3130 List Number: 1 Creator: Stutzman, Amanda

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

Job Number: 890-3130-1 SDG Number: 226079

List Source: Eurofins Carlsbad

Eurofins Carlsbad Released to Imaging: 2/14/2023 2:56:40 PM

14

Login Sample Receipt Checklist

Client: NT Global

<6mm (1/4").

Eurofins Carlsbad

Login Number: 3130 List Number: 2 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	

Job Number: 890-3130-1 SDG Number: 226079

List Source: Eurofins Midland List Creation: 10/04/22 10:34 AM



January 19, 2023

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

RE: ICHABOD WATER BOOSTER STATION

Enclosed are the results of analyses for samples received by the laboratory on 11/02/22 15:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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/qa/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)

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. Keine

Celey D. Keene Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	ICHABOD WATER BOOSTER STATI 226079 ETHAN SESSUMS	Reported: 19-Jan-23 16:57
--	-----------------	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1 4.5'	H225167-01	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 2 4.5'	H225167-02	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 3 4.5'	H225167-03	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 4 4.5'	H225167-04	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 5 4.5'	H225167-05	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 6 4.5'	H225167-06	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 7 4.5'	H225167-07	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 8 4.5'	H225167-08	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 9 4.5'	H225167-09	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 10 4.5'	H225167-10	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 11 4.5'	H225167-11	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 12 4.5'	H225167-12	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 13 4.5'	H225167-13	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 14 6'	H225167-14	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 15 6'	H225167-15	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 16 8'	H225167-16	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 17 5'	H225167-17	Soil	02-Nov-22 10:00	02-Nov-22 15:10
CS - 18 5'	H225167-18	Soil	02-Nov-22 10:00	02-Nov-22 15:10
SW - 1	H225167-19	Soil	02-Nov-22 10:00	02-Nov-22 15:10
SW - 2	H225167-20	Soil	02-Nov-22 10:00	02-Nov-22 15:10
SW - 3	H225167-21	Soil	02-Nov-22 10:00	02-Nov-22 15:10
SW - 4	H225167-22	Soil	02-Nov-22 10:00	02-Nov-22 15:10
SW - 5	H225167-23	Soil	02-Nov-22 10:00	02-Nov-22 15:10
SW - 6	H225167-24	Soil	02-Nov-22 10:00	02-Nov-22 15:10
SW - 7	H225167-25	Soil	02-Nov-22 10:00	02-Nov-22 15:10
SW - 8	H225167-26	Soil	02-Nov-22 10:00	02-Nov-22 15:10
SW - 9	H225167-27	Soil	02-Nov-22 10:00	02-Nov-22 15:10

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706		Project Number:	ICHABOD WATER BOOSTER STATI 226079 ETHAN SESSUMS	Reported: 19-Jan-23 16:57
SW - 10	H225167-28	Soil	02-Nov-22 10:00	02-Nov-22 15:10
SW - 11	H225167-29	Soil	02-Nov-22 10:00	02-Nov-22 15:10
SW - 12	H225167-30	Soil	02-Nov-22 10:00	02-Nov-22 15:10
SW - 13	H225167-31	Soil	02-Nov-22 10:00	02-Nov-22 15:10
SW - 14	H225167-32	Soil	02-Nov-22 10:00	02-Nov-22 15:10
SW - 15	H225167-33	Soil	02-Nov-22 10:00	02-Nov-22 15:10

01/19/23 - Client changed the sample IDs on 01-13 (see COC). This is the revised report and will replace the one sent on 11/04/22.

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, iber: 226	079	Ter Boost Ms	ER STATI	1	Reported: 9-Jan-23 16:	57
			-	- 1 4.5' 167-01 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	96.0		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2110306	JH	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110306	ЛН	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110306	ЛН	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110306	ЛН	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110306	ЛН	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	ID)		85.6 %	69.9	-140	2110306	ЛН	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			81.3 %	45.3	-161	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			93.1 %	46.3	-178	2110253	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, ber: 226			ER STATI	1	Reported: 9-Jan-23 16:	57
				- 2 4.5' 167-02 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	384		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110306	ЛН	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110306	ЛН	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110306	ЛН	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110306	JH	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110306	ЛН	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		87.9 %	69.9	-140	2110306	JH	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	_
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			89.7 %	45.3	-161	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			101 %	46.3	-178	2110253	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226			ER STATI	1	Reported: 9-Jan-23 16:	57
				- 3 4.5' 167-03 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	384		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds		8071	10.0	ing/kg	·	211052)	0.01	05 1107 22	1500 CI B	
Benzene*	<0.050	5021	0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		100 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			99.9 %	45.3	-161	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			114 %	46.3	-178	2110253	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226		ER STATI	Reported: 19-Jan-23 16:57			
				5 - 4 4.5'						
			H225	167-04 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	1060		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		99.4 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			84.7 %	45.3	-161	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			95.2 %	46.3	-178	2110253	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226		ER STATI	Reported: 19-Jan-23 16:57			
				- 5 4.5' 167-05 (So	sil)					
			11225	107 05 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	400		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		<i>98.2 %</i>	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			92.2 %	45.3	-161	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			104 %	46.3	-178	2110253	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Nun Project Mana	1ber: 226		ER STATI	Reported: 19-Jan-23 16:57			
				5 - 6 4.5'						
			H225	167-06 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		97.5 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			91.1 %	45.3	-161	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			102 %	46.3	-178	2110253	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, ber: 226		ER STATI	Reported: 19-Jan-23 16:57			
				- 7 4.5' 167-07 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		98.0 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			83.5 %	45.3	-161	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			96.6 %	46.3	-178	2110253	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. 5 MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226		ER STATI	Reported: 19-Jan-23 16:57			
				- 8 4.5' 167-08 (Se						
			П225.	107-08 (30)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		100 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			83.1 %	45.3	-161	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			95.1 %	46.3	-178	2110253	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. S MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226		ER STATI	Reported: 19-Jan-23 16:57			
				5 - 9 4.5' 167-09 (So	oil)					
			Reporting		,					
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	3920		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		97.1 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			94.5 %	45.3	-161	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			110 %	46.3	-178	2110253	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. 5 MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226		ER STATI	Reported: 19-Jan-23 16:57			
				- 10 4.5 167-10 (Se						
			11223	107-10 (30	<i>,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	1250		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		97.0 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			88.3 %	45.3	-161	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			103 %	46.3	-178	2110253	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226		ER STATI	Reported: 19-Jan-23 16:57			
				- 11 4.5 167-11 (So						
			11223	107-11 (50	<i>,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	3760		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		98.3 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			78.7 %	45.3	-161	2110253	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			91.6 %	46.3	-178	2110253	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. 5 MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226		ER STATI	Reported: 19-Jan-23 16:57			
				- 12 4.5 167-12 (So						
			11223	107-12 (50	,m)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	4080		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		98.4 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			78.5 %	45.3	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			93.3 %	46.3	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 92 of 160

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. S MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226		ER STATI	Reported: 19-Jan-23 16:57			
				- 13 4.5 167-13 (So						
				10/ 10 (30	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	608		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		99.0 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			63.5 %	45.3	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			73.8 %	46.3	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226		ER STATI	Reported: 19-Jan-23 16:57			
				5 - 14 6' 167-14 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		96.4 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			69.3 %	45.3	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			81.0 %	46.3	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226		Reported: 19-Jan-23 16:57				
				5 - 15 6' 167-15 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	144		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds		8021	10.0		·	211002)	0.11	00 1101 22	1000 01 2	
Benzene*	<0.050	021	0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		96.3 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			75.6 %	45.3	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			89.4 %	46.3	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Nun Project Mana	ber: 226	079	Ter Boost Ms	ER STATI	1	Reported: 9-Jan-23 16:	57
				8 - 16 - 8' 167-16 (So	,il)					
			11223	107-10 (30	,m)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	208		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		97.5 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			74.4 %	45.3	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			88.8 %	46.3	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226			ER STATI	1	Reported: 9-Jan-23 16:	57
				5 - 17 5'	•1\					
			H225	167-17 (So) ()					
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	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		97.7 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			76.5 %	45.3	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			90.5 %	46.3	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. 5 MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226			ER STATI	1	Reported: 9-Jan-23 16:	57
				5 - 18 - 5' 167-18 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	112		16.0	mg/kg	4	2110329	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		95.2 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			73.7 %	45.3	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			88.2 %	46.3	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Nun Project Mana	ber: 226	079	Ter Boost Ms	ER STATI	1	Reported: 9-Jan-23 16:	57
				SW - 1 167-19 (So	sin					
			П223	107-19 (50)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	2110333	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		99.7 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	y GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			92.5 %	45.3	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			110 %	46.3	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226	079	Ter Boost Ms	ER STATI	1	Reported: 9-Jan-23 16:5	57
			:	SW - 2						
			H225	167-20 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	3160		16.0	mg/kg	4	2110333	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		98.6 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			61.8 %	45.3-	-161	2110254	MS	03-Nov-22	8015B	_
Surrogate: 1-Chlorooctadecane			73.7 %	46.3-	-178	2110254	MS	03-Nov-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 whitstoewer 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

Celey D. Keene, Lab Director/Quality Manager

٦



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. S MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226	079	ter Boost Ms	ER STATI	1	Reported: 9-Jan-23 16:	57
				SW - 3 167-21 (So	,il)					
			11223	107-21 (30	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,]
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	1890		16.0	mg/kg	4	2110333	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		98.8 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			64.5 %	45.3	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			75.6 %	46.3	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. S MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226	079	ter Boost Ms	ER STATI	1	Reported: 9-Jan-23 16:	57
				SW - 4 167-22 (So	.;])					
			П225	107-22 (30)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	960		16.0	mg/kg	4	2110333	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110307	JH/	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		95.8 %	69.9	-140	2110307	JH/	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			83.8 %	45.3	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			98.2 %	46.3-	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Nun Project Mana	ber: 226	079	er Boost Ms	ER STATI	1	Reported: 9-Jan-23 16:	57
				SW - 5						
			H225	167-23 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	2840		16.0	mg/kg	4	2110333	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110308	ЛН	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110308	ЈН	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		87.7 %	69.9-	-140	2110308	ЈН	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			67.5 %	45.3-	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			80.4 %	46.3-	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226	079	er Boost Ms	ER STATI	1	Reported: 9-Jan-23 16:	57
				SW - 6						
			H225	167-24 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	2110333	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110308	ЛН	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (F	PID)		86.4 %	69.9	-140	2110308	ЈН	03-Nov-22	8021B	
Petroleum Hydrocarbons by	y GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			57.3 %	45.3	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			68.0 %	46.3-	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226	079	fer Boost Ms	ER STATI	1	Reported: 19-Jan-23 16:	57
				SW - 7						
			H225	167-25 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	2110333	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110308	ЛН	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110308	ЛН	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	ID)		85.6 %	69.9	-140	2110308	JH	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			79.6 %	45.3-	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			93.1 %	46.3-	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226	079	ter Boost Ms	ER STATI	1	Reported: 9-Jan-23 16:	57
			\$	SW - 8						
			H225	167-26 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	1150		16.0	mg/kg	4	2110333	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110308	ЛН	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110308	ЛН	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110308	ЛН	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PL	ID)		85.6 %	69.9	-140	2110308	JH	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			72.2 %	45.3	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			84.6 %	46.3	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226	079	er Boost Ms	ER STATI	1	Reported: 9-Jan-23 16:	57
			:	SW - 9						
			H225	167-27 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	768		16.0	mg/kg	4	2110333	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110308	ЛН	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		84.3 %	69.9	-140	2110308	ЛН	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			61.9 %	45.3	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			72.0 %	46.3	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706			Project: ICHABOD WATER BOOSTER STATI Project Number: 226079 Project Manager: ETHAN SESSUMS Fax To:					Reported: 19-Jan-23 16:57			
			S	SW - 10							
			H225	167-28 (So	oil)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	al Laborat	ories						
Inorganic Compounds Chloride	1410		16.0	mg/kg	4	2110333	GM	03-Nov-22	4500-Cl-B		
Volatile Organic Compound		8021									
Benzene*	< 0.050		0.050	mg/kg	50	2110308	ЈН	03-Nov-22	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110308	ЛН	03-Nov-22	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110308	ЛН	03-Nov-22	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	2110308	JH	03-Nov-22	8021B		
Surrogate: 4-Bromofluorobenzene (P	Surrogate: 4-Bromofluorobenzene (PID)		85.0 % 69.9-140			2110308	ЛН	03-Nov-22	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B		
Surrogate: 1-Chlorooctane		72.5 %	45.3-161		2110254	MS	03-Nov-22	8015B			
Surrogate: 1-Chlorooctadecane			87.4 %	46.3-178		2110254	MS	03-Nov-22	8015B		

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706			Project: ICHABOD WATER BOOSTER STATI Project Number: 226079 Project Manager: ETHAN SESSUMS Fax To:					Reported: 19-Jan-23 16:57			
			S	SW - 11							
			H225	167-29 (So	oil)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	al Laborat	ories						
Inorganic Compounds											
Chloride	992		16.0	mg/kg	4	2110333	GM	03-Nov-22	4500-Cl-B		
Volatile Organic Compound	s by EPA Method	8021									
Benzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110308	JH	03-Nov-22	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	2110308	ЛН	03-Nov-22	8021B		
Surrogate: 4-Bromofluorobenzene (PID)		86.4 % 69.9-140			2110308	ЛН	03-Nov-22	8021B			
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B		
Surrogate: 1-Chlorooctane		89.6 %	45.3-161		2110254	MS	03-Nov-22	8015B			
Surrogate: 1-Chlorooctadecane			105 %	46.3-178		2110254	MS	03-Nov-22	8015B		

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project: ICHABOD WATER BOOSTER STATI Project Number: 226079 Project Manager: ETHAN SESSUMS Fax To:						Reported: 19-Jan-23 16:57			
			S	SW - 12								
			H225	167-30 (So	oil)							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	al Laborat	ories							
Inorganic Compounds												
Chloride	4200		16.0	mg/kg	4	2110333	GM	03-Nov-22	4500-Cl-B			
Volatile Organic Compound	ls by EPA Method	8021										
Benzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B			
Toluene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B			
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B			
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110308	JH	03-Nov-22	8021B			
Total BTEX	< 0.300		0.300	mg/kg	50	2110308	ЈН	03-Nov-22	8021B			
Surrogate: 4-Bromofluorobenzene (P	PID)		85.3 %	69.9	-140	2110308	ЛН	03-Nov-22	8021B			
Petroleum Hydrocarbons by	y GC FID											
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B			
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B			
Surrogate: 1-Chlorooctane			93.1 %	45.3-	-161	2110254	MS	03-Nov-22	8015B			
Surrogate: 1-Chlorooctadecane			110 %	46.3-	-178	2110254	MS	03-Nov-22	8015B			

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project Num Project Mana	ber: 226		Reported: 19-Jan-23 16:57					
				SW - 13						
			H225	167-31 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	896		16.0	mg/kg	4	2110333	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110308	ЛН	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		86.0 %	69.9	-140	2110308	JH	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			83.3 %	45.3	-161	2110254	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			98.2 %	46.3	-178	2110254	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226		Reported: 19-Jan-23 16:57				
				W - 14						
			H225	167-32 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	2110333	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110308	ЛН	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110308	ЈН	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110308	ЛН	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110308	ЛН	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110308	ЛН	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		88.6 %	69.9	-140	2110308	JH	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110256	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110256	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110256	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			84.9 %	45.3	-161	2110256	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			89.4 %	46.3	-178	2110256	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 226		Reported: 19-Jan-23 16:57				
			S	SW - 15						
			H225	167-33 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	2110333	GM	03-Nov-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2110308	JH	03-Nov-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2110308	ЛН	03-Nov-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		86.5 %	69.9	-140	2110308	ЛН	03-Nov-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2110256	MS	03-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110256	MS	03-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110256	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctane			94.0 %	45.3	-161	2110256	MS	03-Nov-22	8015B	
Surrogate: 1-Chlorooctadecane			98.8 %	46.3	-178	2110256	MS	03-Nov-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Project Number: Project Manager: Fax To:		Reported: 19-Jan-23 16:57
--	--	--	------------------------------

Inorganic Compounds - Quality Control Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2110329 - 1:4 DI Water										
Blank (2110329-BLK1)				Prepared &	analyzed:	03-Nov-22	!			
Chloride	ND	16.0	mg/kg							
LCS (2110329-BS1)				Prepared &	analyzed:	03-Nov-22	!			
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (2110329-BSD1)				Prepared &	z Analyzed:	03-Nov-22	!			
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 2110333 - 1:4 DI Water										
Blank (2110333-BLK1)				Prepared &	z Analyzed:	03-Nov-22	2			
Chloride	ND	16.0	mg/kg							
LCS (2110333-BS1)				Prepared &	k Analyzed:	03-Nov-22	2			
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2110333-BSD1)				Prepared &	k Analyzed:	03-Nov-22	2			
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	ICHABOD WATER BOOSTER STATI 226079 ETHAN SESSUMS	Reported: 19-Jan-23 16:57
--	-----------------	--	------------------------------

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2110306 - Volatiles										
Blank (2110306-BLK1)				Prepared &	Analyzed:	03-Nov-22	2			
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)	ND		mg/kg	0.0500		88.4	69.9-140			
LCS (2110306-BS1)				Prepared &	Analyzed:	03-Nov-22	!			
Benzene	1.80	0.050	mg/kg	2.00		90.1	83.4-122			
Toluene	2.05	0.050	mg/kg	2.00		102	84.2-126			
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	84.2-121			
m,p-Xylene	4.23	0.100	mg/kg	4.00		106	89.9-126			
o-Xylene	2.00	0.050	mg/kg	2.00		99.9	84.3-123			
Total Xylenes	6.23	0.150	mg/kg	6.00		104	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0419		mg/kg	0.0500		83.9	69.9-140			
LCS Dup (2110306-BSD1)				Prepared &	Analyzed:	03-Nov-22	2			
Benzene	1.86	0.050	mg/kg	2.00		92.8	83.4-122	2.93	12.6	
Toluene	2.08	0.050	mg/kg	2.00		104	84.2-126	1.63	13.3	
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	84.2-121	1.72	13.9	
m,p-Xylene	4.27	0.100	mg/kg	4.00		107	89.9-126	0.812	13.6	
o-Xylene	1.98	0.050	mg/kg	2.00		99.0	84.3-123	0.949	14.1	
Total Xylenes	6.25	0.150	mg/kg	6.00		104	89.1-124	0.251	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0415		mg/kg	0.0500		83.0	69.9-140			

Batch 2110307 - Volatiles

Blank (2110307-BLK1)			Prepared & Analyzed: 03-Nov-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

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	ICHABOD WATER BOOSTER STATI 226079 ETHAN SESSUMS	Reported: 19-Jan-23 16:57	
--	-----------------	--	------------------------------	--

Volatile Organic Compounds by EPA Method 8021 - Quality Control Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2110307 - Volatiles										
Blank (2110307-BLK1)				Prepared &	Analyzed:	03-Nov-22	2			
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		99.7	69.9-140			
LCS (2110307-BS1)				Prepared &	Analyzed:	03-Nov-22	2			
Benzene	1.79	0.050	mg/kg	2.00		89.5	83.4-122			
Toluene	1.96	0.050	mg/kg	2.00		98.2	84.2-126			
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	84.2-121			
m,p-Xylene	4.16	0.100	mg/kg	4.00		104	89.9-126			
o-Xylene	2.04	0.050	mg/kg	2.00		102	84.3-123			
Total Xylenes	6.20	0.150	mg/kg	6.00		103	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0484		mg/kg	0.0500		96.7	69.9-140			
LCS Dup (2110307-BSD1)				Prepared &	Analyzed:	03-Nov-22	2			
Benzene	1.81	0.050	mg/kg	2.00		90.7	83.4-122	1.34	12.6	
Toluene	2.01	0.050	mg/kg	2.00		100	84.2-126	2.16	13.3	
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	84.2-121	1.72	13.9	
m,p-Xylene	4.18	0.100	mg/kg	4.00		105	89.9-126	0.680	13.6	
o-Xylene	2.08	0.050	mg/kg	2.00		104	84.3-123	1.70	14.1	
Total Xylenes	6.26	0.150	mg/kg	6.00		104	89.1-124	1.02	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0494		mg/kg	0.0500		98.7	69.9-140			

Batch 2110308 - Volatiles

Blank (2110308-BLK1)				Prepared & Analy	zed: 03-Nov-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)	ND		mg/kg	0.0500	86.7	69.9-140	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	ICHABOD WATER BOOSTER STATI 226079 ETHAN SESSUMS	Reported: 19-Jan-23 16:57
--	-----------------	--	------------------------------

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories	
------------------------------	--

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2110308 - Volatiles										
LCS (2110308-BS1)				Prepared &	Analyzed:	03-Nov-22	2			
Benzene	1.79	0.050	mg/kg	2.00		89.5	83.4-122			
Toluene	2.03	0.050	mg/kg	2.00		102	84.2-126			
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	84.2-121			
m,p-Xylene	4.20	0.100	mg/kg	4.00		105	89.9-126			
o-Xylene	2.00	0.050	mg/kg	2.00		99.8	84.3-123			
Total Xylenes	6.20	0.150	mg/kg	6.00		103	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0421		mg/kg	0.0500		84.3	69.9-140			
LCS Dup (2110308-BSD1)				Prepared &	Analyzed:	03-Nov-22	2			
Benzene	1.74	0.050	mg/kg	2.00		87.2	83.4-122	2.59	12.6	
Toluene	2.00	0.050	mg/kg	2.00		100	84.2-126	1.52	13.3	
Ethylbenzene	2.01	0.050	mg/kg	2.00		100	84.2-121	1.58	13.9	
m,p-Xylene	4.14	0.100	mg/kg	4.00		103	89.9-126	1.58	13.6	
o-Xylene	1.97	0.050	mg/kg	2.00		98.6	84.3-123	1.16	14.1	
Total Xylenes	6.11	0.150	mg/kg	6.00		102	89.1-124	1.44	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0428		mg/kg	0.0500		85.6	69.9-140			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	ICHABOD WATER BOOSTER STATI 226079 ETHAN SESSUMS	Reported: 19-Jan-23 16:57	
--	-----------------	--	------------------------------	--

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyta	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Result	Limit	Units	Level	Result	70KEU	Limits	КĽD	Limit	inotes
Batch 2110253 - General Prep - Organics										
Blank (2110253-BLK1)				Prepared: ()2-Nov-22	Analyzed: ()3-Nov-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	49.7		mg/kg	50.0		99.3	45.3-161			
Surrogate: 1-Chlorooctadecane	56.0		mg/kg	50.0		112	46.3-178			
LCS (2110253-BS1)				Prepared: ()2-Nov-22 /	Analyzed: ()3-Nov-22			
GRO C6-C10	196	10.0	mg/kg	200		98.1	76.8-124			
DRO >C10-C28	183	10.0	mg/kg	200		91.5	74.9-127			
Total TPH C6-C28	379	10.0	mg/kg	400		94.8	77.5-124			
Surrogate: 1-Chlorooctane	53.7		mg/kg	50.0		107	45.3-161			
Surrogate: 1-Chlorooctadecane	63.6		mg/kg	50.0		127	46.3-178			
LCS Dup (2110253-BSD1)				Prepared: ()2-Nov-22 /	Analyzed: ()3-Nov-22			
GRO C6-C10	195	10.0	mg/kg	200		97.3	76.8-124	0.807	17.2	
DRO >C10-C28	179	10.0	mg/kg	200		89.5	74.9-127	2.23	18.6	
Total TPH C6-C28	373	10.0	mg/kg	400		93.4	77.5-124	1.49	17.6	
Surrogate: 1-Chlorooctane	51.9		mg/kg	50.0		104	45.3-161			
Surrogate: 1-Chlorooctadecane	60.2		mg/kg	50.0		120	46.3-178			
Batch 2110254 - General Prep - Organics										
Blank (2110254-BLK1)				Prepared: ()2-Nov-22 /	Analyzed: ()3-Nov-22			
GRO C6-C10	ND	10.0	mg/kg							

Diank (2110254-BLK1) Fiepared. 02-100-22 Analyzed. 05-100-22							
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	41.9		mg/kg	50.0	83.8	45.3-161	
Surrogate: 1-Chlorooctadecane	48.9		mg/kg	50.0	97.7	46.3-178	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	ICHABOD WATER BOOSTER STATI 226079 ETHAN SESSUMS	Reported: 19-Jan-23 16:57
--	-----------------	--	------------------------------

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories	
------------------------------	--

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2110254 - General Prep - Organics										
LCS (2110254-BS1)				Prepared: (2-Nov-22 A	Analyzed: ()3-Nov-22			
GRO C6-C10	186	10.0	mg/kg	200		93.2	76.8-124			
DRO >C10-C28	187	10.0	mg/kg	200		93.4	74.9-127			
Total TPH C6-C28	373	10.0	mg/kg	400		93.3	77.5-124			
Surrogate: 1-Chlorooctane	47.1		mg/kg	50.0		94.2	45.3-161			
Surrogate: 1-Chlorooctadecane	58.0		mg/kg	50.0		116	46.3-178			
LCS Dup (2110254-BSD1)				Prepared: (2-Nov-22 A	Analyzed: ()3-Nov-22			
GRO C6-C10	190	10.0	mg/kg	200		94.8	76.8-124	1.71	17.2	
DRO >C10-C28	191	10.0	mg/kg	200		95.7	74.9-127	2.44	18.6	
Total TPH C6-C28	381	10.0	mg/kg	400		95.3	77.5-124	2.07	17.6	
Surrogate: 1-Chlorooctane	46.1		mg/kg	50.0		92.3	45.3-161			
Surrogate: 1-Chlorooctadecane	55.9		mg/kg	50.0		112	46.3-178			
Batch 2110256 - General Prep - Organics										
Blank (2110256-BLK1)				Prepared: (2-Nov-22 A	Analyzed: ()3-Nov-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	44.4		mg/kg	50.0		88.8	45.3-161			
Surrogate: 1-Chlorooctadecane	46.3		mg/kg	50.0		92.6	46.3-178			
						notuzadi ()3-Nov-22			
LCS (2110256-BS1)				Prepared: (02-NOV-22 F	maryzeu. (
LCS (2110256-BS1) GRO C6-C10	182	10.0	mg/kg	Prepared: (200	02-INOV-22 F	91.1	76.8-124			
	182 182	10.0 10.0	mg/kg mg/kg	1	J2-INOV-22 F	,				
GRO C6-C10				200	02-NOV-22 F	91.1	76.8-124			
GRO C6-C10 DRO >C10-C28	182	10.0	mg/kg	200 200	<u>12-NOV-22</u> F	91.1 91.0	76.8-124 74.9-127			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	ICHABOD WATER BOOSTER STATI 226079 ETHAN SESSUMS	Reported: 19-Jan-23 16:57	
--	-----------------	--	------------------------------	--

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2110256 - General Prep - Organics										
LCS Dup (2110256-BSD1)				Prepared: ()2-Nov-22 /	Analyzed: ()3-Nov-22			
GRO C6-C10	186	10.0	mg/kg	200		93.2	76.8-124	2.28	17.2	
DRO >C10-C28	185	10.0	mg/kg	200		92.6	74.9-127	1.70	18.6	
Total TPH C6-C28	372	10.0	mg/kg	400		92.9	77.5-124	1.99	17.6	
Surrogate: 1-Chlorooctane	48.7		mg/kg	50.0		97.4	45.3-161			
Surrogate: 1-Chlorooctadecane	52.0		mg/kg	50.0		104	46.3-178			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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 $6^{\circ}\mathrm{C}$

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

	σ					1 6
	2012/ CC+	SK 11-2	(Alarah)	DHON THE	C	1 Marsh
	· · · · · · · · · · · · · · · · · · ·				oigi iaini e)	Reilliquisited by: (orginature)
Inature) Received by: (Signature) Date/Time	Date/Time Relinquished by: (Signature)		ed hv: (Signature)	/ Received hv-	Signatural	Dolinguished hv:
enforced unless previously negotiated.	of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless por 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 por Xenco.	ple submitted to Xenco	a charge of \$5 for each sai	each project and	e of \$85.00 will be applied to	of Xenco. A minimum charg
 It assigns standard terms and conditions are due to circumstances beyond the control 	order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions polity for any losses or expenses incurred by the client if such losses are due to circumstances beyond the contro	from client company to or any losses or expense	utes a valid purchase orde	f samples constit	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase of service Xenco will be liable only for the cost of samples and shall not assume any responsite	Notice: Signature of this do
To 1/19/23	Depth changes.	rested	oner Jug	Cust	Additional Comments:	Addition
		Comp 1	/	022 10am	4.5 11/2/2022	0 CS-10 4
			, ,	+	4.5 11/2/2022	CS-9 4
			1	022 10am	4.5 11/2/2022	CS-8 2
		Comp 1	1 ~	022 10am	4,5 11/2/2022	CS-7 2
		Comp 1	1	022 10am	4.5' 11/2/2022	CS-6 2
		Comp 1	1	022 10am	4.5' 11/2/2022	CS-5 2
			11	022 10am	4.5' 11/2/2022	CS-4 2
		Comp 1	1	022 10am	4.5' 11/2/2022	CS-3 2
			/	022 10am	4.5' 11/2/2022	CS-2 2'
		Comp 1	/	022 10am	4.5' 11/2/2022	CS-1 2
Sample Comments	TP	Grab/ # of Comp Cont	Soil Water	Time	cation 🗶 Date	Sample Identification 🗡
	H 80	25.0 c	Corrected Temperature:		34. 57	Total Containers:
NaOH+Ascorbic Acid: SAPC	015N		0			Sample Custody Seals:
	1 (G	600	1	M	Yes No NA	Cooler Custody Seals:
		2		Thermometer ID:	Yes No	Received Intact:
	21B + DR(4500	mete	Wet Ice: Yes	Yes No	Temp Blank:	SAMPLE RECEIPT
H ₂ SU ₄ : H ₂ NaUH: Na			lab, if received by 4:30pm		21060585	PO #
	MRO	ived by the	TAT starts the day received by the		Kenny Han	Sampler's Name:
0)	48 Hr	Due Date:	-	Lea Co, NM	Project Location
		ish Code	Routine Rush		226079	Project Number:
Preservati	ANALYSIS REQUEST		Turn Around	ter Station	Ichabod Water Booster Station	Project Name:
	oom	Wesley.Mathews@dvn.com	Email: Wesle		254-266-5456	
	Artesia, NM 88210	City, State ZIP:	City, S		Carlsbad, NM 88220	City, State ZIP: Ca
Detliet	6488 Seven Rivers Highway	ŝ	Address:		402 E Wood Ave	Address: 40
State of Broject:	Devon Energy	Company Name:	Compa		NTG Environmental	Company Name: NT
Order Comments	Wesley Mathews	Bill to: (if different)	Bill to:		Ethan Sessums	Project Manager: Et
_1of4						(
age 4					ENVIRONMENTAL	
Work Order No: 1000010011						

Page 121 of 160



Chain of Custody

	NVIRONMENTAL									Page	Page
Project Manager: Eth:	Ethan Sessums				Bill to: (if different)	erent)	Wes	Wesley Mathews	ίδ.	Work Order Comments	C
	NTG Environmental	tal			Company Name:	Jame:	Devo	Devoni Energy		Program: UST/PST PRP Brownfields RRC	
	402 E Wood Ave				Address:		6488	Seven Ri	6488 Seven Rivers Highway	State of Project:	
City, State ZIP: Car	Carlsbad, NM 88220	220			City, State ZIP	ZIP:	Artes	Artesia, NM 88210	210	Level III DST/UST	
	254-266-5456			Email:	Email: Wesley.Mathews@dvn.com	athews@d	vn.com				
Name:	Ichabod Water Booster Station	r Booster S	tation	Turn	Turn Around				ANALYSIS REQUEST		Preservative Codes
Project Number:	22	226079	_	Routine	✓ Rush	C P	Pres. Code			None	DI Water: H ₂ O
Project Location	Lea (Lea Co, NM	D	Due Date:	48 Hr					Cool: Cool	
Sampler's Name:	Keni	Kenny Han		TAT starts the day received by the	day received t	by the		IRO)		HCL: HC	
PO #	210	60585		lab, if recei	lab, if received by 4:30pm) + M		H ₂ S04: H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	3lank:	Yes No	Wet Ice:	Yes S	nete				H ₃ PO ₄ : HP	
Received Intact:	Yes	No	Thermometer ID:	er ID:	211	aran					VABIS
Cooler Custody Seals:		NA	Correction Factor:	actor:	-0.6	M	TEX	(GF		H Na ₂ S ₂ O ₃ : NaSO ₃	NaSO ₃
Total Containers:	Yes No	27 NA	Temperature Reading:	Reading:	00:60	1 4 (P)	E			Zn Acetate	Zn Acetate+NaOH: Zn
Sample Identification	*	Tog 20 LiDate	Time	Soil	Water	Grab/ # of	of	трн		Sam	Sample Comments
CS-11 4'	4.5' 1	11/2/2022	10am	-	0	Comp 1	-	-			
CS-12 4'	4.5 1	11/2/2022	10am	1	0	Comp 1	/	/			
	4.5 1	11/2/2022	10am	-	0	Comp 1	/	1			
	-	11/2/2022	10am	/	0	Comp 1	1	1			
		11/2/2022	10am	1	C	Comp 1	1	-			
		11/2/2022	10am	-	0	Comp 1	1	-			
		11/2/2022	10am	-	0	Comp 1	1	-			
		11/2/2022	10am	-	0	Comp 1	1	-			
CIVI 2		11/2/2022	TUam	-			-				
		77071711	IValli	-		Comp	/	-			
Additional Comments:	Comments:										
1/2. Notice: Signature of this document and relinquishment of samples constitutes a valid purchase of service. Xenco will be liable only for the cost of samples and shall not assume any responsite of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each project and a charge of \$85.00 will be applied to each project and a charge of \$5 for each project and a charge of \$60 will be applied to each project and a charge of \$5 for each project and a charge of \$60 will be applied to each project and \$60 will be applied to each proje	ent and relinquish only for the cost of f \$85.00 will be app	ment of sample f samples and s plied to each pr	hall not assun	a valid purchase ne any responsi arge of \$5 for ea	e order from cl bility for any lo ich sample sub	ient company osses or expe bmitted to Xer	to Xenco, it nses incurre nco, but not :	s ; affiliates ; ;d ¹ by the cli annalyzed. T	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control 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.	terms and conditions ces beyond the control pusly negotiated.	
Relinquished by: (Signature)	jnature)	1	Received by:	y: (Signature	e)		Date/Time	ime	Relinquished by: (Signature)	ure) Received by: (Signature)	Date/Time
1 Cull	F	Jamar	era 1	Mala	ARRY	11-	2-22	1570	2		
ω											

Chain of Custody

Page 122 of 160

ω -		00	0 Z]		2	2	1	0	0	+	00	لع	-		2.5%	Η	S	0	R	S	J	S	P	P	P	P	0	A	0	P	1	
lund	Relinquished by: (Signature)	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	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to verify, its annihiers and succonservation 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 or expenses incurred by the client is such losses or expenses in	otice. Signature of this	Additi	SW-12	SW-11	SW-10	6-MS	SM-8	SW-7	SW-6	SW-5	SW-4	SW-3	sample identification	Comple Idea	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	0#:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:	Project Manager:		
	y: (Signature)	harge of \$85.00 will b	b liable only for the c	document and relin	Additional Comments:	12	11	10	9	Ġ0	.7	6	Ġ	4	ώ	ппсаноп	tiliontion			s: Yes	Yes			X	Le		Ichabod Wa	254-266-5456	Carlsbad, NM 88220	402 E Wood Ave	NTG Environmental	Ethan Sessums	ENVIRONMENTA	
Jour		be applied to each	cost of samples and	auishment of sam	ts:	11/2/2022	11/2/2022	11/2/2022	11/2/2022	11/2/2022	11/2/2022	11/2/2022	11/2/2022	11/2/2022	11/2/2022	Date	Dato	\$3.5	No NIA	NO NA	No	Temp Blank:	21060585	Kenny Han	Lea Co, NM	226079	Ichabod Water Booster Station		88220	ve	ental	S	F	
mara .	Receive	project and	d shall not a	oles constitu		10am	10am	10am	10am	10am	10am	10am	10am	10am	10am		Time	Corrected	Temperat	Correction Factor:	Thermometer ID:	Yes No					tation							
Ada	Received by: (Signature	a charge of \$5 for	ssume any respo	utes a valid purch		/	1	-	/	1	/	1	/	1	1	SOIL	so:	Corrected Temperature:	Temperature Reading:	n Factor:	eter ID:	Wet Ice:	lab, if rece	TAT starts the	Due Date:	Routine	Turi	Email:						
Kel	ture)	each sample sut	nsibility for any l	ase order from cl		0	0	0	0	0	0	0	0	0	0		Water G	25000	25.62	-0.6 2	113	Yes NO	lab, if received by 4:30pm	TAT starts the day received by the	48 Hr	✓ Rush	Turn Around	Wesley.Mathews@dvn.com	City, State ZIP:	Address:	Company Name:	Bill to: (if different)		
		bmitted to X	osses or exponent	ient compar		Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp		Comp	Comp Co	Grab/ #	6.4	0 0 1					the		Code	p	hews@d	P		me:	ent)		
1-2-	Dat	enco, but	penses ind	ny to Xenc		1	-	-	-	-	-	-	-	1	1	Cont	# of		B	TEX		mete	15			de		vn.com	Arte	648	Dev	We		
Eee	Date/Time	not analy	curred by	o, its affil		1 1	-	1	1	1	-	1	1	-	-		трн	80					0+1	MRC))	\vdash			Artesia, NM 88210	8 Sever	Devon Energy	Wesley Mathews		
1570		zed. Thes	the client	iates and		-	/	1	1	-	-	-	-	-	-				С	hlori	ide 4	4500							188210	6488 Seven Rivers Highway	(gy	thews		
4 2	Relin	terms wi	f such los	subcontra				-	-	-				-												-				Highway				
	Relinquished by: (Signature)	I be enfor	ses are du	ctors. It at			-	-	-	-		-		\vdash	-											\vdash	ANA							
	ł by: (Si	ced unles:	le to circu	ssigns sta																							LYSIS F							
	gnature	enforced unless previously negotiated	are due to circumstances beyond the control	 It assigns standard terms and conditions 			-	-	-	-	-			-	-											-	ANALYSIS REQUEST	De	Re	Sta	Pro			
	-	ly negotia	beyond th	ms and co			┢	+	+	+	\vdash		-	+	\vdash	\vdash	×									-	ST	Deliverables:	porting:L	State of Project:	igram: L			
	Rece	ted.	le control	nditions																								S: EDD	Reporting:Level II Level III	oject:	Program: UST/PST			
	Received by: (Signature)							+		-		_		_	-	-										\vdash	_				PRP	1		
	(Signa					\parallel	-	+	+	+	┢	-	\vdash	-	+	-				н	IOLI	D				+	-	AUaPI				Order		
	ture)							1	t	T	t	T	T					NaCH	Zn Ac	Na ₂ S ₂	NaHS	H ₃ PO ₄ : HP	H ₂ SO ₄ : H ₂	HCL: HC	Cool: Cool	None: NO	P		_		Brownfields	Work Order Comments	Page	
																	ample	+Ascorb	Zn Acetate+NaUH: Zn	Na2S2U3: NASU3	NaHSU4: NABIS	HP	H ₂	: C	Cool	NO	reserva	Other		Topo	RRC	ents	ge3	
	Date/Time																Sample Comments	NaUH+Ascorbic Acid: SAPC	NH: Zn	03	0	0	NaOH: Na	HNO3: HN	MeOt	DI Wa	Preservative Codes						of	
	Time																ents	SAPC					H: Na	HN	MeOH: Me	DI Water: H ₂ O	odes				upertund		4	
																													L				Page	ŀ



Page 123 of 160

	-
	()
	5
	0
	-
	0
	-
	0
	2
	S
	1
	0
	0
ł	-

	JIN														_	Work Order No: HDA5167	Orde	r No:	E	S	16	1-1-3	0.48 of 48
(Page	ge	4	of 4	
Proiect Manager:	Ethan Sessums				Bill to: (if different)		Wesle	Wesley Mathews	SMS							×	ork O	rder (Work Order Comments	ents			
Company Name:	NTG Environmental	antal			Company Name		Devo	Devon Energy					2	rogram	: UST/F	Program: UST/PST PRP Brownfields RRC	RP	Brown	fields	RR		uperfund	D D
Address:	402 E Wood Ave	ē			Address:		6488	6488 Seven Rivers Highway	livers H	ighway			ŝ	State of Project:	Project								
City, State ZIP:	Carlsbad, NM 88220	8220			City, State ZIP:		Artesi	Artesia, NM 88210	8210				R	eporting	g:Level	Reporting:Level II Level III	vel III	PST/UST		RRP			<
Phone:	254-266-5456			Email:	Email: Wesley.Mathews@dvn.com	ews@dvn	1.com							Deliverables: EDD	iles: El			ADaPT L		Other:	er:		
Project Name:	Ichabod Wa	Ichabod Water Booster Station	ation	Turn	Turn Around						ANAL	ALYSIS REQUEST	REQUI	EST					P	reserv	rative	Preservative Codes	5
Project Number:		226079		Routine	✓ Rush	Pres. Code								-	-				None: NO	NO	DI	DI Water: H ₂ O	H_2O
Project Location	Le	Lea Co, NM		Due Date:	48 Hr)											Cool: Cool	Cool	M	MeOH: Me	Ø
Sampler's Name:	Ke	Kenny Han		TAT starts the c	TAT starts the day received by the	Ø		MRO											HCL: HC	с Ċ	N II	HNO3: HN	. 2
						ters	,	RO +	0										L DO - LI	LID			1
Received Intact:		Blank:	Thermometer ID:	No Wet Ice:	IS NO	rame	8021E	0 + D	le 450									DLD	NaHSO4: N	NaHSO4: MABIS	SIS		
Cooler Custody Seals:	Yes	ONA	Correction Factor:	Factor:	-0.62	P	TEX	(GF	nlori									н	Na ₂ S ₂	Na ₂ S ₂ O ₃ : NaSO ₃	SO3		
Sample Custody Seals:	Yes	U	Temperatu	Temperature Reading:	25.60		E	15M	С										Zn Ac	Zn Acetate+NaUH: Zn	NaOH:	- n)
Total Containers:			Corrected	Corrected Temperature:	Grab/			трн 80											NaOn	- ASCO		Sample Comments	
Sample Identification	13	11/2/2022	10am		Comp	p Cont	-	-	-	+			_	-	+	+				-			
SW-14	14	11/2/2022	10am	1	Comp	1p 1	/	-	-														
SW-15	15	11/2/2022	10am	1	Comp	1p 1	/	/	/					\vdash	\vdash	\vdash	T	Γ					
SW-16	16	11/2/2022	10am	1	Comp	10	+	-	+	KY.			_	_	+	-							
															\vdash	$\left \right $	H	H					
Additi	Additional Comments:	S																					
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 condit 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 cost of samples to add 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 cost of samples 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.	adocument and reling e liable only for the co harge of \$85.00 will b	uishment of samp ost of samples and e applied to each p	les constitut shall not as roject and a	tes a valid purchas sume any respons charge of \$5 for e	e order from clien sibility for any loss ach sample submi	it company t ses or expen itted to Xeno	to Xenco, Ises incun co, but no	its affiliate red by the t analyzed	client if . These t	bcontract such loss erms will	ors. It as es are due be enforc	assigns standard terms and conditions due to circumstances beyond the control orced unless previously negotiated.	ndard te nstance: previou	rms and s beyond sly nego	conditio the cont tiated.	rol							
Relinquished by: (Signature)	y: (Signature)	/	Receive	Received by: (Signature	rę)		Date/Time	Time		Relino	Relinquished by: (Signature)	by: (Si	gnatur	e)	Re	Received by: (Signature)	by: (S	ignatu	ıre)		Dat	Date/Time	CD I
1 Julio		mm	pta.	All Alas	Sol	11-2	2-22	2 15	10 2											+			
σ ω					<	+			6 4					_									
C						-			-					_						_			

Revised Date 05012020 Rev.

2020

Released to Imaging: 2/14/2023 2:56:40 PM

Page 124 of 160

Phone:



December 19, 2022

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

RE: ICHABOD WATER BOOSTER STATION

Enclosed are the results of analyses for samples received by the laboratory on 12/15/22 16:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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)

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. Keine

Celey D. Keene Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	ICHABOD WATER BOOSTER STATI 226079 ETHAN SESSUMS	Reported: 19-Dec-22 11:01
--	-----------------	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 16	H225939-01	Soil	13-Dec-22 00:00	15-Dec-22 16:10
SW - 17	H225939-02	Soil	13-Dec-22 00:00	15-Dec-22 16:10
SW - 18	H225939-03	Soil	13-Dec-22 00:00	15-Dec-22 16:10
SW - 19	H225939-04	Soil	13-Dec-22 00:00	15-Dec-22 16:10
SW - 20	H225939-05	Soil	13-Dec-22 00:00	15-Dec-22 16:10
SW - 21	H225939-06	Soil	13-Dec-22 00:00	15-Dec-22 16:10
SW - 22	H225939-07	Soil	13-Dec-22 00:00	15-Dec-22 16:10
SW - 23	H225939-08	Soil	13-Dec-22 00:00	15-Dec-22 16:10
SW - 24	H225939-09	Soil	13-Dec-22 00:00	15-Dec-22 16:10
SW - 25	H225939-10	Soil	13-Dec-22 00:00	15-Dec-22 16:10

12/19/22 - Client changed the sample IDs (see COC). This is the revised report and will replace the one sent on 12/16/22.

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUIT MIDLAND TX, 79706	TE C		Project Num Project Mana	ber: 226			ER STATI	1	Reported: 9-Dec-22 11:(01
			~	W - 16 039-01 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	1170		16.0	mg/kg	4	2121619	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121539	ЛН	15-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121539	ЛН	15-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121539	ЛН	15-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %	69.9	-140	2121539	JH	15-Dec-22	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121538	MS	15-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121538	MS	15-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121538	MS	15-Dec-22	8015B	
Surrogate: 1-Chlorooctane			101 %	45.3	-161	2121538	MS	15-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			112 %	46.3	-178	2121538	MS	15-Dec-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	701 TRADEWINDS BLVD. SUITE C Project Number: 226079								Reported: 19-Dec-22 11:01		
			S	SW - 17							
			H225	939-02 (So	oil)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	al Laborat	ories						
Inorganic Compounds Chloride	976		16.0	mg/kg	4	2121619	GM	16-Dec-22	4500-Cl-B		
Volatile Organic Compound		8021	10.0		·	2121017	0.11	10 200 22			
Benzene*	<0.050	5021	0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121539	JH	15-Dec-22	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	2121539	JH	15-Dec-22	8021B		
Surrogate: 4-Bromofluorobenzene (P	PID)		105 %	69.9	-140	2121539	ЛН	15-Dec-22	8021B		
Petroleum Hydrocarbons by	y GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121538	MS	15-Dec-22	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121538	MS	15-Dec-22	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121538	MS	15-Dec-22	8015B		
Surrogate: 1-Chlorooctane			99.3 %	45.3-	161	2121538	MS	15-Dec-22	8015B		
Surrogate: 1-Chlorooctadecane			116 %	46.3-	-178	2121538	MS	15-Dec-22	8015B		

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	Project Num Project Mana	ber: 226	079	fer Boost Ms	ER STATI	1	Reported: 9-Dec-22 11:	01		
			S	W - 18						
			H225	939-03 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1330		16.0	mg/kg	4	2121619	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121539	ЛН	15-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121539	ЛН	15-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		104 %	69.9	-140	2121539	ЛН	15-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121538	MS	15-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121538	MS	15-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121538	MS	15-Dec-22	8015B	
Surrogate: 1-Chlorooctane			95.5 %	45.3	-161	2121538	MS	15-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			113 %	46.3-	-178	2121538	MS	15-Dec-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTALProject:ICHABOD WATER BOOSTER STAT701 TRADEWINDS BLVD. SUITE CProject Number:226079MIDLAND TX, 79706Project Manager:ETHAN SESSUMSFax To:								1	Reported: 9-Dec-22 11:	01
			S	SW - 19						
			H225	939-04 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	464		16.0	mg/kg	4	2121619	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121539	ЛН	15-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121539	ЛН	15-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121539	ЛН	15-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		105 %	69.9	-140	2121539	ЛН	15-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121538	MS	15-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121538	MS	15-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121538	MS	15-Dec-22	8015B	
Surrogate: 1-Chlorooctane			109 %	45.3	-161	2121538	MS	15-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			130 %	46.3	-178	2121538	MS	15-Dec-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project: ICHABOD WATER BOOSTER STATI Project Number: 226079 Project Manager: ETHAN SESSUMS Fax To:						Reported: 19-Dec-22 11:01		
				SW - 20							
			H225	939-05 (So	oil)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	ıl Laborat	ories						
Inorganic Compounds											
Chloride	448		16.0	mg/kg	4	2121619	GM	16-Dec-22	4500-Cl-B		
Volatile Organic Compound	s by EPA Method 8	8021									
Benzene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121539	JH	15-Dec-22	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	2121539	ЛН	15-Dec-22	8021B		
Surrogate: 4-Bromofluorobenzene (P.	ID)		105 %	69.9	-140	2121539	JH	15-Dec-22	8021B		
<u>Petroleum Hydrocarbons by</u>	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B		
Surrogate: 1-Chlorooctane			105 %	45.3	-161	2121538	MS	16-Dec-22	8015B		
Surrogate: 1-Chlorooctadecane			122 %	46.3	-178	2121538	MS	16-Dec-22	8015B		

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTALProject:ICHABOD WATER I701 TRADEWINDS BLVD. SUITE CProject Number:226079MIDLAND TX, 79706Project Manager:ETHAN SESSUMSFax To:							ER STATI	1	Reported: 9-Dec-22 11:	01
				SW - 21						
			H225	939-06 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	1730		16.0	mg/kg	4	2121619	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121539	ЛН	15-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121539	ЈН	15-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		104 %	69.9	-140	2121539	ЛН	15-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B	
Surrogate: 1-Chlorooctane			100 %	45.3	-161	2121538	MS	16-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			116 %	46.3	-178	2121538	MS	16-Dec-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 133 of 160

٦



Analytical Results For:

NTG ENVIRONMENTALProject:ICHABOD W/701 TRADEWINDS BLVD. SUITE CProject Number:226079MIDLAND TX, 79706Project Manager:ETHAN SESSFax To:Fax To:Fax To:							ER STATI	1	Reported: 9-Dec-22 11:	01
			S	SW - 22						
			H225	939-07 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	2121619	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121539	ЛН	15-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		106 %	69.9	-140	2121539	JH	15-Dec-22	8021B	
Petroleum Hydrocarbons by	y GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B	
Surrogate: 1-Chlorooctane			94.7 %	45.3	-161	2121538	MS	16-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			112 %	46.3-	-178	2121538	MS	16-Dec-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	D1 TRADEWINDS BLVD. SUITE C Project Number: 226079							Reported: 19-Dec-22 11:01			
			~	SW - 23							
			H225	939-08 (Se	oil)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	ıl Laborat	tories						
<u>Inorganic Compounds</u> Chloride	1010		16.0	mg/kg	4	2121619	GM	16-Dec-22	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 8	021									
Benzene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121539	JH	15-Dec-22	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	2121539	JH	15-Dec-22	8021B		
Surrogate: 4-Bromofluorobenzene (PI	D)		106 %	69.9	-140	2121539	JH	15-Dec-22	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B		
Surrogate: 1-Chlorooctane			84.2 %	45.3	-161	2121538	MS	16-Dec-22	8015B		
Surrogate: 1-Chlorooctadecane			98.1 %	46.3	-178	2121538	MS	16-Dec-22	8015B		

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	Project Num Project Mana	ber: 226	079	Ter Boost Ms	ER STATI	1	Reported: 9-Dec-22 11:	01		
			S	W - 24						
			H225	939-09 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1090		16.0	mg/kg	4	2121619	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		105 %	69.9-	-140	2121539	JH	15-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B	
Surrogate: 1-Chlorooctane			96.4 %	45.3-	-161	2121538	MS	16-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			108 %	46.3-	-178	2121538	MS	16-Dec-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTALProject:ICHABOD WATER BOOSTER STATI701 TRADEWINDS BLVD. SUITE CProject Number:226079MIDLAND TX, 79706Project Manager:ETHAN SESSUMS Fax To:								1	Reported: 9-Dec-22 11:	01
			S	SW - 25						
			H225	939-10 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	2121619	GM	16-Dec-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121539	ЛН	15-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121539	JH	15-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121539	ЈН	15-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		106 %	69.9	-140	2121539	ЛН	15-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121538	MS	16-Dec-22	8015B	
Surrogate: 1-Chlorooctane			106 %	45.3	-161	2121538	MS	16-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			125 %	46.3	-178	2121538	MS	16-Dec-22	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	ICHABOD WATER BOOSTER STATI 226079 ETHAN SESSUMS	Reported: 19-Dec-22 11:01	
--	-----------------	--	------------------------------	--

Inorganic Compounds - Quality Control

Cardinal Laboratories										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2121619 - 1:4 DI Water										
Blank (2121619-BLK1)				Prepared &	& Analyzed:	16-Dec-22				
Chloride	ND	16.0	mg/kg							
LCS (2121619-BS1)				Prepared &	& Analyzed:	16-Dec-22				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2121619-BSD1)				Prepared &	& Analyzed:	16-Dec-22				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	ICHABOD WATER BOOSTER STATI 226079 ETHAN SESSUMS	Reported: 19-Dec-22 11:01
--	-----------------	--	------------------------------

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratorie	Car	·dinal	Labo	orate	ories
----------------------	-----	--------	------	-------	-------

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2121539 - Volatiles										
Blank (2121539-BLK1)				Prepared &	Analyzed:	15-Dec-22	2			
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)	0.0526		mg/kg	0.0500		105	69.9-140			
LCS (2121539-BS1)				Prepared &	Analyzed:	15-Dec-22	!			
Benzene	2.12	0.050	mg/kg	2.00		106	83.4-122			
Toluene	2.24	0.050	mg/kg	2.00		112	84.2-126			
Ethylbenzene	2.19	0.050	mg/kg	2.00		110	84.2-121			
m,p-Xylene	4.58	0.100	mg/kg	4.00		114	89.9-126			
o-Xylene	2.14	0.050	mg/kg	2.00		107	84.3-123			
Total Xylenes	6.72	0.150	mg/kg	6.00		112	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		99.1	69.9-140			
LCS Dup (2121539-BSD1)				Prepared &	Analyzed:	15-Dec-22	!			
Benzene	2.13	0.050	mg/kg	2.00		106	83.4-122	0.183	12.6	
Toluene	2.25	0.050	mg/kg	2.00		113	84.2-126	0.760	13.3	
Ethylbenzene	2.20	0.050	mg/kg	2.00		110	84.2-121	0.265	13.9	
m,p-Xylene	4.57	0.100	mg/kg	4.00		114	89.9-126	0.109	13.6	
o-Xylene	2.12	0.050	mg/kg	2.00		106	84.3-123	0.872	14.1	
Total Xylenes	6.69	0.150	mg/kg	6.00		112	89.1-124	0.351	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500		102	69.9-140			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	ICHABOD WATER BOOSTER STATI 226079 ETHAN SESSUMS	Reported: 19-Dec-22 11:01
--	-----------------	--	------------------------------

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laborator	ies
--------------------	-----

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2121538 - General Prep - Organics										
Blank (2121538-BLK1)				Prepared &	Analyzed:	15-Dec-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	51.9		mg/kg	50.0		104	45.3-161			
Surrogate: 1-Chlorooctadecane	59.2		mg/kg	50.0		118	46.3-178			
LCS (2121538-BS1)				Prepared: 1	5-Dec-22 A	Analyzed: 1	6-Dec-22			
GRO C6-C10	208	10.0	mg/kg	200		104	76.8-124			
DRO >C10-C28	202	10.0	mg/kg	200		101	74.9-127			
Total TPH C6-C28	409	10.0	mg/kg	400		102	77.5-124			
Surrogate: 1-Chlorooctane	47.6		mg/kg	50.0		95.2	45.3-161			
Surrogate: 1-Chlorooctadecane	52.1		mg/kg	50.0		104	46.3-178			
LCS Dup (2121538-BSD1)				Prepared &	Analyzed:	15-Dec-22				
GRO C6-C10	225	10.0	mg/kg	200		113	76.8-124	8.09	17.2	
DRO >C10-C28	241	10.0	mg/kg	200		121	74.9-127	17.8	18.6	
Total TPH C6-C28	466	10.0	mg/kg	400		117	77.5-124	13.0	17.6	
Surrogate: 1-Chlorooctane	63.4		mg/kg	50.0		127	45.3-161			
Surrogate: 1-Chlorooctadecane	73.1		mg/kg	50.0		146	46.3-178			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ature) Received by: (Signature) Date/Time		100	15.0.2	12-1	K	COMMIN	MUBRO .	1	mall
viously negotiated.	Relinquished by: (Signature)	ne	Date/Time		e)	ed by: (Signature	Received	ge of \$85.00 will be applied to (Signature)	Relinquished by: (Sig
d terms and conditions nces beyond the control	Additional Control 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 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 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 sale on any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. Xenco will be liable only for the cost of samples and sale on any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. Xenco will be liable only for the cost of samples and sale on any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of samples and sale of the cost of the co	filiates and subsystems of the second	Xenco, its a es incurred t	ompany to or expense d to Xenco	order from client c sility for any losses	utes a valid purchase assume any responsit	of samples constit	int and relinguishment	Additional Commentand relinques
							-	omments:	Additional C
		X X	×	1	Comp	×	2022		SW-13 24
		××	×	1	Comp	×	2022		SW-WS
		××	×	1	Comp	×	2022		SW-WS
		-	-	-	Comp	×	2022		SW-to 22
		+	×	1	Comp	×	022	12/13/2022	SW-9 2
		+	-	-	Comp	×	022	12/13/2022	SW-8.70
		+	+	1	Comp	×	022	12/13/2022	SM-ST-NS
		+	+	-	Comp	×	022	12/13/2022	81 A-MS
		+	+	1	Comp	×	022	12/13/2022	LI &-MS
		+	+		Comp	×	022	12/13/2022	SM-2 16
		+	+	Cont			lime	Te Wh Date	Sample Identification
Sample Comments			трн	# of					I otal Containers.
			80		· 13.10 c	Corrected Temperature:		10	Sample Cusiony Seals.
NaOH+Ascorbic Acid: SAPC					.13.0 e	Temperature Reading:		No	inde Cristody Seals:
Zn Acetate+NaOH: Zn				P	-0.6 c	Factor:	Correction Factor:	5 N	Cooler Custody Seals:
H Na ₂ S ₂ O ₃ : NaSO ₃				Para	10	eter ID:	Thermometer ID:	Yes No	Received Intact:
P NaHSO4: NABIS		450)21B + DF	amet	Xes No	Wet Ice:	Yes No	Temp Blank:	SAMPLE RECEIPT
H ₃ PO ₄ : HP				ers	by 4:30pm	lab, if received by 4:30pm		21060585	#
H ₂ S0 ₄ : H ₂ NaOH: Na			MR		received by the	TAT starts the day received by the	7	Jordan Tyner	Sampler's Name:
HCL: HC HNO3: HN			0)		24hr	Due Date:		Lea Co, NM	Project Location
Cool: Cool MeOH: Me		+	+	Code	✓ Rush	Routine		226079	er:
None	ANALTOID NEWDED		-	Pres.	ound	Turn Around	oster	Ichabod Water Booster	Name:
Preservative Codes				@UVII.CO	Wesley.Matnews@dvn.com	Email: We		3-5456	Phone: 254-266-5456
Deliverables: EDD ADaPT D Other:			3		City, State Lit .	CITY		Carlsbad, NM 88220	City, State ZIP: Carlsba
		M 88210	Artesia. NM 88210	Þ	Ctata 710.	2		4UZ E VVUUU AVE	Address: 4UZ E V
		6488 Seven Rivers Highway	488 Seve	6	Address:	Add		lood Ave	INGILIC.
		rgy	Devon Energy		Company Name:	Con		NTG Environmental	
Brogram: IIST/PST PRP Brownfields RRC Uperfund		Inews	Wesley Matnews	5	Bill to: (if different)	Bill 1		essums	Project Manager: Ethan Sessums
Work Order Comments									
Page1 of								G	ENVIRONMENTA
Work Order No: H225454)	
	4	Custody	OTC	Chain	2				

Page 141 of 160





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:

Ichabod Water Booster

Work Order: E301041

Job Number: 01058-0007

Received: 1/12/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/13/23

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: 1/13/23

Ethan Sessums 911 Regional Park Dr. Houston, TX 77060

Project Name: Ichabod Water Booster Workorder: E301041 Date Received: 1/12/2023 8:20:00AM

Ethan Sessums,



Page 143 of 160

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/12/2023 8:20:00AM, under the Project Name: Ichabod Water Booster.

The analytical test results summarized in this report with the Project Name: Ichabod Water Booster 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

Field Offices:

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227)

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

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

•

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW-27	5
SW-28	6
SW-29	7
SW-30	8
SW-31	9
SW-32	10
SW-26	11
QC Summary Data	12
QC - Volatile Organics by EPA 8021B	12
QC - Nonhalogenated Organics by EPA 8015D - GRO	13
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	14
QC - Anions by EPA 300.0/9056A	15
Definitions and Notes	16
Chain of Custody etc.	17

Sample Summary

		Sample Sum	mary		
NTG-New Tech Global Environmental		Project Name:	Ichabod Water Boo	ster	Reported:
911 Regional Park Dr.		Project Number:	01058-0007		Teporteur
Houston TX, 77060		Project Manager:	Ethan Sessums		01/13/23 11:05
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-27	E301041-01A	Soil	01/09/23	01/12/23	Glass Jar, 4 oz.
SW-28	E301041-02A	Soil	01/09/23	01/12/23	Glass Jar, 4 oz.
SW-29	E301041-03A	Soil	01/09/23	01/12/23	Glass Jar, 4 oz.
SW-30	E301041-04A	Soil	01/09/23	01/12/23	Glass Jar, 4 oz.
SW-31	E301041-05A	Soil	01/09/23	01/12/23	Glass Jar, 4 oz.
SW-32	E301041-06A	Soil	01/09/23	01/12/23	Glass Jar, 4 oz.
SW-26	E301041-07A	Soil	01/09/23	01/12/23	Glass Jar, 4 oz.



		impic D	ucu			
NTG-New Tech Global Environmental 911 Regional Park Dr.	Project Name: Project Numbe		bod Water Boost 58-0007	er		Reported:
Houston TX, 77060	Project Manag		in Sessums	1/13/2023 11:05:14AM		
		SW-27				
	-	E301041-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2302047
Benzene	ND	0.0250	1	01/12/23	01/12/23	
Ethylbenzene	ND	0.0250	1	01/12/23	01/12/23	
Toluene	ND	0.0250	1	01/12/23	01/12/23	
o-Xylene	ND	0.0250	1	01/12/23	01/12/23	
p,m-Xylene	ND	0.0500	1	01/12/23	01/12/23	
Total Xylenes	ND	0.0250	1	01/12/23	01/12/23	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	01/12/23	01/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2302047
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/23	01/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	70-130	01/12/23	01/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2302054
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/23	01/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/12/23	01/12/23	
Surrogate: n-Nonane		99.3 %	50-200	01/12/23	01/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2302057
Chloride	59.9	20.0	1	01/12/23	01/12/23	

Sample Data



	5	ample D	ala			
NTG-New Tech Global Environmental 911 Regional Park Dr.	Project Name: Project Numb	er: 0103	bod Water Boost 58-0007	er		Reported:
Houston TX, 77060	Project Manag	ger: Etha	n Sessums	1/13/2023 11:05:14AM		
		SW-28				
		E301041-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2302047
Benzene	ND	0.0250	1	01/12/23	01/12/23	
Ethylbenzene	ND	0.0250	1	01/12/23	01/12/23	
Toluene	ND	0.0250	1	01/12/23	01/12/23	
o-Xylene	ND	0.0250	1	01/12/23	01/12/23	
o,m-Xylene	ND	0.0500	1	01/12/23	01/12/23	
Total Xylenes	ND	0.0250	1	01/12/23	01/12/23	
urrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	01/12/23	01/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2302047
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/23	01/12/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	01/12/23	01/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	ıt: JL		Batch: 2302054
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/23	01/12/23	
Dil Range Organics (C28-C36)	ND	50.0	1	01/12/23	01/12/23	
urrogate: n-Nonane		89.6 %	50-200	01/12/23	01/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2302057
Chloride	151	20.0	1	01/12/23	01/12/23	



Sample Data

	5	ample D	ata			
NTG-New Tech Global Environmental	Project Name	: Icha	bod Water Bo	oster		
911 Regional Park Dr.	Project Numb	er: 0103	58-0007	Reported:		
Houston TX, 77060	Project Manag	ger: Etha	in Sessums	1/13/2023 11:05:14AM		
		SW-29				
		E301041-03				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2302047
Benzene	ND	0.0250	1	01/12/23	01/12/23	
Ethylbenzene	ND	0.0250	1	01/12/23	01/12/23	
Toluene	ND	0.0250	1	01/12/23	01/12/23	
p-Xylene	ND	0.0250	1	01/12/23	01/12/23	
o,m-Xylene	ND	0.0500	1	01/12/23	01/12/23	
Fotal Xylenes	ND	0.0250	1	01/12/23	01/12/23	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	01/12/23	01/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2302047
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/23	01/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	01/12/23	01/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2302054
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/23	01/12/23	
Dil Range Organics (C28-C36)	ND	50.0	1	01/12/23	01/12/23	
Surrogate: n-Nonane		87.9 %	50-200	01/12/23	01/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2302057
Chloride	37.7	20.0	1	01/12/23	01/12/23	



	3	ample D	ลเล				
NTG-New Tech Global Environmental	Project Name		bod Water Boost	er			
911 Regional Park Dr.	Project Numl		58-0007	Reported:			
Houston TX, 77060	Project Mana	ager: Etha	in Sessums	1/13/2023 11:05:14AM			
		SW-30					
		E301041-04					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2302047	
Benzene	ND	0.0250	1	01/12/23	01/12/23		
Ethylbenzene	ND	0.0250	1	01/12/23	01/12/23		
Toluene	ND	0.0250	1	01/12/23	01/12/23		
p-Xylene	ND	0.0250	1	01/12/23	01/12/23		
o,m-Xylene	ND	0.0500	1	01/12/23	01/12/23		
Fotal Xylenes	ND	0.0250	1	01/12/23	01/12/23		
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	01/12/23	01/12/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2302047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/23	01/12/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	01/12/23	01/12/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2302054	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/23	01/12/23		
Dil Range Organics (C28-C36)	ND	50.0	1	01/12/23	01/12/23		
Surrogate: n-Nonane		98.0 %	50-200	01/12/23	01/12/23		
Anions by EPA 300.0/9056A	056A mg/kg mg/kg Analyst: BA						
Chloride	ND	20.0	1	01/12/23	01/12/23		



	D	ample D	ala			
NTG-New Tech Global Environmental	Project Name:	: Icha	bod Water Boost	er		
911 Regional Park Dr.	Project Numb	er: 0103	58-0007	Reported:		
Houston TX, 77060	Project Manag	ger: Etha	n Sessums			1/13/2023 11:05:14AM
		SW-31				
		E301041-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2302047
Benzene	ND	0.0250	1	01/12/23	01/12/23	
Ethylbenzene	ND	0.0250	1	01/12/23	01/12/23	
Toluene	ND	0.0250	1	01/12/23	01/12/23	
p-Xylene	ND	0.0250	1	01/12/23	01/12/23	
o,m-Xylene	ND	0.0500	1	01/12/23	01/12/23	
Fotal Xylenes	ND	0.0250	1	01/12/23	01/12/23	
Surrogate: 4-Bromochlorobenzene-PID		97.2 %	70-130	01/12/23	01/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2302047
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/23	01/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	01/12/23	01/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2302054
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/23	01/12/23	
Dil Range Organics (C28-C36)	ND	50.0	1	01/12/23	01/12/23	
Surrogate: n-Nonane		98.4 %	50-200	01/12/23	01/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2302057
Chloride	167	20.0	1	01/12/23	01/12/23	



Sample Data

	Di Di	ample D	ala			
NTG-New Tech Global Environmental 911 Regional Park Dr.	Project Name: Project Numbe		bod Water Boos 58-0007	ter		Reported:
Houston TX, 77060	Project Manag		in Sessums	1/13/2023 11:05:14AM		
		SW-32				
		E301041-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: RKS		Batch: 2302047
Benzene	ND	0.0250	1	01/12/23	01/12/23	
Ethylbenzene	ND	0.0250	1	01/12/23	01/12/23	
Toluene	ND	0.0250	1	01/12/23	01/12/23	
p-Xylene	ND	0.0250	1	01/12/23	01/12/23	
o,m-Xylene	ND	0.0500	1	01/12/23	01/12/23	
Total Xylenes	ND	0.0250	1	01/12/23	01/12/23	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	01/12/23	01/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: RKS		Batch: 2302047
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/23	01/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	70-130	01/12/23	01/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: JL		Batch: 2302054
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/23	01/12/23	
Dil Range Organics (C28-C36)	ND	50.0	1	01/12/23	01/12/23	
Surrogate: n-Nonane		102 %	50-200	01/12/23	01/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: BA		Batch: 2302057
Chloride	ND	20.0	1	01/12/23	01/12/23	



	D	ample D	ala			
NTG-New Tech Global Environmental	Project Name:	: Icha	bod Water Boost	ter		
911 Regional Park Dr.	Project Numb	er: 010	58-0007	Reported:		
Houston TX, 77060	Project Manag	ger: Etha	in Sessums			1/13/2023 11:05:14AM
		SW-26				
		E301041-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2302047
Benzene	ND	0.0250	1	01/12/23	01/12/23	
Ethylbenzene	ND	0.0250	1	01/12/23	01/12/23	
Toluene	ND	0.0250	1	01/12/23	01/12/23	
o-Xylene	ND	0.0250	1	01/12/23	01/12/23	
o,m-Xylene	ND	0.0500	1	01/12/23	01/12/23	
Total Xylenes	ND	0.0250	1	01/12/23	01/12/23	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	01/12/23	01/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2302047
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/12/23	01/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	01/12/23	01/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2302054
Diesel Range Organics (C10-C28)	ND	25.0	1	01/12/23	01/12/23	
Dil Range Organics (C28-C36)	ND	50.0	1	01/12/23	01/12/23	
Surrogate: n-Nonane		104 %	50-200	01/12/23	01/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: BA		Batch: 2302057
Chloride	185	20.0	1	01/12/23	01/12/23	



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060		Project Name: Project Number: Project Manager:	01	nabod Water B 058-0007 han Sessums					Reported: 1/13/2023 11:05:14AM
	Volatile Organics by EPA 8021B							Analyst: RKS	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2302047-BLK1)							Prepared: 0	1/11/23 A	Analyzed: 01/11/23
· · · · ·	ND	0.0250				-	- reparent o		inal j 20 al 01/11/20
Benzene 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	7.96		8.00		99.5	70-130			
LCS (2302047-BS1)]	Prepared: 0	1/11/23 A	Analyzed: 01/11/23
Benzene	4.28	0.0250	5.00		85.7	70-130			
Belizelle									
Ethylbenzene	4.63	0.0250	5.00		92.6	70-130			
		0.0250 0.0250	5.00 5.00		92.6 93.4	70-130 70-130			
Ethylbenzene Toluene o-Xylene	4.63 4.67 4.78		5.00 5.00		93.4 95.7	70-130 70-130			
Ethylbenzene Toluene o-Xylene p,m-Xylene	4.63 4.67 4.78 9.40	0.0250 0.0250 0.0500	5.00 5.00 10.0		93.4 95.7 94.0	70-130 70-130 70-130			
Ethylbenzene Toluene o-Xylene	4.63 4.67 4.78	0.0250 0.0250	5.00 5.00		93.4 95.7	70-130 70-130			
Ethylbenzene Toluene o-Xylene p,m-Xylene	4.63 4.67 4.78 9.40	0.0250 0.0250 0.0500	5.00 5.00 10.0		93.4 95.7 94.0	70-130 70-130 70-130			
Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes	4.63 4.67 4.78 9.40 14.2	0.0250 0.0250 0.0500	5.00 5.00 10.0 15.0		93.4 95.7 94.0 94.5	70-130 70-130 70-130 70-130 70-130	Prepared: 0	1/11/23 A	Analyzed: 01/11/23
Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: 4-Bromochlorobenzene-PID LCS Dup (2302047-BSD1)	4.63 4.67 4.78 9.40 14.2	0.0250 0.0250 0.0500	5.00 5.00 10.0 15.0		93.4 95.7 94.0 94.5	70-130 70-130 70-130 70-130 70-130	Prepared: 0 2.47	1/11/23 A 20	Analyzed: 01/11/23
Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: 4-Bromochlorobenzene-PID	4.63 4.67 4.78 9.40 14.2 8.18	0.0250 0.0250 0.0500 0.0250	5.00 5.00 10.0 15.0 8.00		93.4 95.7 94.0 94.5 <i>102</i>	70-130 70-130 70-130 70-130 70-130	•		Analyzed: 01/11/23
Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: 4-Bromochlorobenzene-PID LCS Dup (2302047-BSD1) Benzene Ethylbenzene Toluene	4.63 4.67 4.78 9.40 14.2 8.18 4.39 4.75 4.79	0.0250 0.0250 0.0500 0.0250 0.0250	5.00 5.00 10.0 15.0 8.00 5.00 5.00 5.00		93.4 95.7 94.0 94.5 <i>102</i> 87.8 95.0 95.8	70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130	2.47 2.58 2.56	20 20 20	Analyzed: 01/11/23
Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: 4-Bromochlorobenzene-PID LCS Dup (2302047-BSD1) Benzene Ethylbenzene Toluene o-Xylene	4.63 4.67 4.78 9.40 14.2 8.18 4.39 4.75 4.79 4.95	0.0250 0.0250 0.0500 0.0250 0.0250 0.0250 0.0250 0.0250	5.00 5.00 10.0 15.0 8.00 5.00 5.00 5.00 5.00 5.00		93.4 95.7 94.0 94.5 <i>102</i> 87.8 95.0 95.8 98.9	70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130	2.47 2.58 2.56 3.37	20 20 20 20	Analyzed: 01/11/23
Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: 4-Bromochlorobenzene-PID LCS Dup (2302047-BSD1) Benzene Ethylbenzene Toluene	4.63 4.67 4.78 9.40 14.2 8.18 4.39 4.75 4.79	0.0250 0.0250 0.0500 0.0250 0.0250 0.0250 0.0250	5.00 5.00 10.0 15.0 8.00 5.00 5.00 5.00		93.4 95.7 94.0 94.5 <i>102</i> 87.8 95.0 95.8	70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130	2.47 2.58 2.56	20 20 20	Analyzed: 01/11/23



QC Summary Data

NTG-New Tech Global Environmental		Project Name:	Ic	habod Water I	Booster				Reported:
911 Regional Park Dr.		Project Number:	01	058-0007					•
Houston TX, 77060		Project Manager	: Et	han Sessums					1/13/2023 11:05:14AM
	No	onhalogenated (Organics	by EPA 80	15D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2302047-BLK1)							Prepared: 0	1/11/23	Analyzed: 01/11/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.7	70-130			
LCS (2302047-BS2)							Prepared: 0	1/11/23	Analyzed: 01/11/23
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			
LCS Dup (2302047-BSD2)							Prepared: 0	1/11/23	Analyzed: 01/11/23
						50 100			
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		89.0	70-130	4.14	20	



QC Summary Data

				J					
NTG-New Tech Global Environmental 911 Regional Park Dr.		Project Name: Project Number:		chabod Water E 1058-0007	Booster				Reported:
Houston TX, 77060		Project Manager:	E	than Sessums					1/13/2023 11:05:14AM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2302054-BLK1)							Prepared: 0	1/12/23	Analyzed: 01/12/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.0		50.0		114	50-200			
LCS (2302054-BS1)							Prepared: 0	1/12/23	Analyzed: 01/12/23
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	54.0		50.0		108	50-200			
Matrix Spike (2302054-MS1)				Source:	E301041-	01	Prepared: 0	1/12/23	Analyzed: 01/12/23
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	54.6		50.0		109	50-200			
Matrix Spike Dup (2302054-MSD1)				Source:	E301041-	01	Prepared: 0	1/12/23	Analyzed: 01/12/23
Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	38-132	2.31	20	
Surrogate: n-Nonane	52.0		50.0		104	50-200			



QC Summary Data

		•		v					
NTG-New Tech Global Environmental	1	Project Name:	Ic	habod Water I	Booster				Reported:
911 Regional Park Dr.		Project Number:	0	1058-0007					•
Houston TX, 77060		Project Manager:	E	than Sessums					1/13/2023 11:05:14AM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2302057-BLK1)							Prepared: 0	1/12/23 A	Analyzed: 01/12/23
Chloride	ND	20.0							
LCS (2302057-BS1)							Prepared: 0	1/12/23 A	Analyzed: 01/13/23
Chloride	238	20.0	250		95.2	90-110			
Matrix Spike (2302057-MS1)				Source:	E301041-0)1	Prepared: 0	1/12/23 A	Analyzed: 01/12/23
Chloride	322	20.0	250	59.9	105	80-120			
Matrix Spike Dup (2302057-MSD1)				Source:	E301041-()1	Prepared: 0	1/12/23 A	Analyzed: 01/12/23
Chloride	319	20.0	250	59.9	104	80-120	0.799	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.



NTG-New Tech Global Environmental	Project Name:	Ichabod Water Booster	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	01/13/23 11:05

- 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.



Chain of Custody



Work Order No: <u>E30 04 </u>	
JOD # 01058-0007	

				Bill to: (if Company Address:	y Name:			1					Pro	aram:	UST/PS	and the second second			: Duperfu		
Wood Ave				2	and the second second	and the second	0010	I LIIOI	97	Wesley Mattews Devon Energy							Work Order Comments Program: UST/PST PRP Brownfields RRC uperfund				
oad, NM 882	20					6488 Seven Rivers Highway						State of Project:									
	20									Reporting:Level II Level III DST/UST TRRP Level I											
00-3430	State ZIP: Carlsbad, NM 88220 ne: 254-266-5456 Email					: Wesley.Mathews@dvn.c			Artesia, NM 88210					Deliverables: EDD ADaPT Other:							
				Twestey.watnews(@dvn.t																	
Ichabod W		er		Around		Pres.	1.34				ANA	LYSIS	REQUES	ST				1007 2000	ative Code		
226079		Routine	[✓] Rush		Code												None: NO	DI Water			
Location Eddy Co. NM r's Name: Jordan Tyner			Due Date:	arts the day received by the				MRO)										Cool: Cool	MeOH: N		
																			HNO3: H NaOH: N		
	Contraction of the second	Vea Na	States and the second			ters	-	RO +											Naur: N		
PT Temp Blank: Yes No Wet Ice: Yes No Thermometer ID: S: Yes No N/A Is: Yes No N/A Yes No N/A Temperature Reading: Corrected Temperature: Yes Yes			Tes No		ame	021B	0 +	450									252 25	10			
				Par	EX 8	GRO	apira						НОГ	1 1 2010 10 200							
			re Reading: 4			BTI) WS	Chic									ST 25 4840 SHEW SHEW 11 ST 25-25 1				
					1		8015										NaOH+Ascorbic Acid: SAP(
ion	Date	Time	Soil	Water	Grab/ Comp	# of Cont		ΗdΤ										Sample	Comment		
	1/9/2023		X		Comp	1	X	X	X								1				
	1/9/2023		X		Comp	1	X	X	X								2				
	1/9/2023		X		Comp	1	X	X	X								R				
	1/9/2023		Х		Comp	1	X	X	X								4				
	1/9/2023		X		Comp	1	Х	X	X					12							
	1/9/2023		Х		Comp	1	X	X	X								6				
1	19/2023		\times		Comp	(\times	X	\times								7				
								100		T											
	Eddy U Jordan 2100 Temp B Yes No Yes No Yes No	Jordan Tyner 21060585 Temp Blank: Yes No N/A Yes No N/A Yes No N/A	Eddy Co. NM Jordan Tyner 21060585 Temp Blank: Yes No Yes No Thermom Yes No N/A Correctio Yes No N/A Temperat Corrected on Date Time 1/9/2023 1/9/2023 1/9/2023 1/9/2023 1/9/2023	Eddy Co. NM Due Date: Jordan Tyner TAT starts the lab, if rece 21060585 TAT starts the lab, if rece Temp Blank: Yes No Yes No Thermometer ID: Yes No N/A Correction Factor: Corrected Temperature: On Date Time 1/9/2023 X 1/9/2023 X	Eddy Co. NM Due Date: 24 Jordan Tyner TAT starts the day received by 4:3 21060585 Tat starts the day received by 4:3 Temp Blank: Yes No Wet Ice: Yes No Thermometer ID: Yes No N/A Correction Factor: Yes No N/A Temperature Reading: 4 On Date 1/9/2023 X 1/9/2023 X	Eddy Co. NM Due Date: 24Hr Jordan Tyner TAT starts the day received by the lab, if received by 4:30pm Temp Blank: Yes No Wet Ice: Yes No Yes No Thermometer ID: Yes No Yes No N/A Correction Factor: Yes No N/A Temperature Reading: 4 0n Date Time Soil Water Grab/ Comp 1/9/2023 X Comp 1/9/2023 X Comp	226079 Rutine Rush Code Eddy Co. NM Due Date: 24Hr 1 Jordan Tyner TAT starts the day received by the lab, if received by 4:30pm seget 1 seget 1 Temp Blank: Yes No Wet Ice: Yes No Yes No Thermometer ID: seget 1 Yes No N/A Correction Factor: Yes No Yes 1 Soil Water Grab/ Comp from of Cont 0n Date Time Soil Water Grab/ Comp from of Cont 1/9/2023 X Comp 1 1 1/9/2023 X Comp 1 1/9/2023 X Comp	226079 I Routine I Rush Code Eddy Co. NM Due Date: 24Hr 1 Jordan Tyner TAT starts the day received by the lab, if received by 4:30pm segment segment Temp Blank: Yes No Thermometer ID: Yes No Yes No Thermoreter ID: Segment segment Yes No N/A Correction Factor: Yes Yes N/A Temperature Reading: 4 Segment segm	226079 I Routine I Rush Code Eddy Co. NM Due Date: 24Hr Jordan Tyner TAT starts the day received by the lab, if received by 4:30pm 21060585 Temp Blank: Yes No Wet Ice: Yes No Yes No Yes <no< td=""> N/A Correction Factor: Yes # of Yes<no< td=""> N/A Temperature Reading: 4 # of on Date Time Soil Water Grab/ Comp # of 1/9/2023 X Comp 1 X X 1/9/2023 X</no<></no<>	226079 Routine Rush Code Eddy Co. NM Due Date: 24Hr Jordan Tyner TAT starts the day received by the lab, if received by 4:30pm received by 4:3	226079 Routine Rush Code Image: Code Image: Code Eddy Co. NM Due Date: 24Hr Automode of the lab, if received by the lab, if received by 4:30pm Image: Code Im	226079 Routine Rush code Image: Code </td <td>226079 Routine Rush Code Image: Code<!--</td--><td>226079 Routine Rush Code Image: Code<!--</td--><td>226079 Routine Routine Rush Code Image: Code</td><td>226079 Routine Rush Code Image: Code<!--</td--><td>226079 Routine Ruith Code Image: Code<</td><td>226079 Routine Rutine Rutine Rutine Code Image: Code</td><td>226079 I Routine I Ruitine I Ruitine</td></td></td></td>	226079 Routine Rush Code Image: Code </td <td>226079 Routine Rush Code Image: Code<!--</td--><td>226079 Routine Routine Rush Code Image: Code</td><td>226079 Routine Rush Code Image: Code<!--</td--><td>226079 Routine Ruith Code Image: Code<</td><td>226079 Routine Rutine Rutine Rutine Code Image: Code</td><td>226079 I Routine I Ruitine I Ruitine</td></td></td>	226079 Routine Rush Code Image: Code </td <td>226079 Routine Routine Rush Code Image: Code</td> <td>226079 Routine Rush Code Image: Code<!--</td--><td>226079 Routine Ruith Code Image: Code<</td><td>226079 Routine Rutine Rutine Rutine Code Image: Code</td><td>226079 I Routine I Ruitine I Ruitine</td></td>	226079 Routine Routine Rush Code Image: Code	226079 Routine Rush Code Image: Code </td <td>226079 Routine Ruith Code Image: Code<</td> <td>226079 Routine Rutine Rutine Rutine Code Image: Code</td> <td>226079 I Routine I Ruitine I Ruitine</td>	226079 Routine Ruith Code Image: Code<	226079 Routine Rutine Rutine Rutine Code Image: Code	226079 I Routine I Ruitine I Ruitine		

Page 158 of 160

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

lient:	NTG-New Tech Global Environmental	Date Received:	01/12/23	08:20	Work Order ID: E301041
Phone:	(281) 872-9300 E	Date Logged In:	01/11/23	17:14	Logged In By: Caitlin Christian
Email:		Due Date:	01/12/23	17:00 (0 day TAT)	
Chain o	f Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match	the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	<u>'ourier</u>
4. Was t	he COC complete, i.e., signatures, dates/times, requeste	d analyses?	No		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.		Yes		Comments/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>				
6. Did tł	ne COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled not provided on COC by
Sample	Cooler				client.
7. Was a	sample cooler received?		Yes		
8. If yes	, was cooler received in good condition?		Yes		
9. Was t	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
11. If ye	s, were custody/security seals intact?		NA		
12. Was (the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling	,	Yes		
13. If no	visible ice, record the temperature. Actual sample te	mnerature: 4º	c		
			C		
			<u>c</u>		
Sample	Container	mperature. <u>+</u>			
Sample 14. Are	Container aqueous VOC samples present?	mperature. <u>+</u>	No NA		
<u>Sample</u> 14. Are 15. Are	Container		No		
<u>Sample</u> 14. Are 15. Are 16. Is th	Container aqueous VOC samples present? VOC samples collected in VOA Vials?	третацие. <u>+</u>	No NA		
Sample 14. Are 15. Are 16. Is th 17. Was	Container aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)?	mperature. <u>-</u>	No NA NA		
Sample 14. Are 15. Are 16. Is th 17. Was 18. Are	Container aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses?		No NA NA NA		
Sample 14. Are 15. Are 16. Is th 17. Was 18. Are	Container aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container		No NA NA NA Yes		
Sample 14. Are 15. Are 16. Is th 17. Was 18. Are 19. Is the Field La 20. Were	Container aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform	rs collected?	No NA NA Yes Yes		
Sample 14. Are 15. Are 16. Is th 17. Was 18. Are 19. Is the Field La 20. Were	Container aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID?	rs collected?	No NA NA Yes Yes		
Sample 14. Are 15. Are 16. Is th 17. Was 18. Are 19. Is the Field La 20. Were	Container aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?	rs collected?	No NA NA Yes Yes Yes		
Sample 14. Are 15. Are 16. Is th 17. Was 18. Are 19. Is the Field La 20. Were	Container aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container thel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?	rs collected?	No NA NA Yes Yes		
Sample 14. Are 15. Are 15. Is th 17. Was 18. Are 19. Is the Field La 20. Were Sample	Container aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container thel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation	rs collected?	No NA NA Yes Yes Yes No		
Sample 14. Are 15. Are 15. Are 16. Is th 17. Was 18. Are 19. Is the Field La 20. Were Sample 21. Doe:	Container aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were press	rs collected?	No NA NA Yes Yes Yes No		
Sample 14. Are 15. Are 15. Are 16. Is th 17. Was 18. Are 19. Is the Field La 20. Were Sample 21. Doe: 22. Are	Container aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were press sample(s) correctly preserved?	rs collected? nation: served?	No NA NA Yes Yes Yes No No NA		
Sample 14. Are 15. Are 15. Are 16. Is th 17. Was 18. Are 19. Is the Field La 20. Were 20. Were 21. Does 22. Are 24. Is lal	Container aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved met	rs collected? nation: served?	No NA NA Yes Yes Yes No		
Sample 14. Are 15. Are 15. Are 16. Is th 17. Was 18. Are 19. Is the Field La 20. Were 20. Were 21. Doe: 22. Are 24. Is lai Multiph	Container aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved met mase Sample Matrix.	rs collected? nation: served? tals?	No NA NA Yes Yes Yes No No NA No		
Sample 14. Are 15. Are 15. Are 16. Is th 17. Was 18. Are 19. Is the Field La 20. Were 20. Were 21. Does 22. Are 24. Is lai Multiph 26. Does	Container aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container thel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved met mase Sample Matrix s the sample have more than one phase, i.e., multiphase	rs collected? nation: served? tals? ?	No NA NA Yes Yes Yes No No NA No		
Sample 14. Are 15. Are 15. Are 16. Is th 17. Was 18. Are 19. Is the Field La 20. Were 20. Were 21. Does 22. Are 24. Is lat Multiph 26. Does 27. If ye	Container aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container thel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation as the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved met tase Sample Matrix s the sample have more than one phase, i.e., multiphase' s, does the COC specify which phase(s) is to be analyzed	rs collected? nation: served? tals? ?	No NA NA Yes Yes Yes No No NA No		
Sample 14. Are 15. Are 15. Are 16. Is th 17. Was 18. Are 19. Is the Field La 20. Were 20. Were 21. Does 22. Are 24. Is lai Multiph 26. Does 27. If ye	Container aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container thel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved met mase Sample Matrix s the sample have more than one phase, i.e., multiphase	rs collected? nation: werved? tals? ? ed?	No NA NA Yes Yes Yes No No NA No		

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



envirotech Inc.

•

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	179444
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	2/14/2023