

December 5, 2024

New Mexico Oil Conservation Division 506 W. Texas Ave Artesia, NM 88210

RE: Ross Draw Unit #040 - Closure Request Report Incident Number: nAPP2425330146 GPS: 32.03078°, -103.86375° Eddy County, New Mexico ESRR Project No. 2434

To Whom It May Concern:

Earth Systems Response & Restoration (ESRR), on behalf of WPX Energy Permian, LLC (WPX), presents the following Closure Request Report (CRR) detailing excavation activities and subsequent soil sampling events associated with an inadvertent release of crude oil and produced water at the Ross Draw Unit #040 (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, WPX is requesting No Further Action (NFA) at the Site.

## Site Location & Incident Description

The Site is located in Unit H, Section 22, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.03078°, -103.86375°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM) (**Figure 1**).

On September 4, 2024, a corroded flowline ruptured, causing the release of approximately 1 barrel (bbl) of crude oil and 10 bbls of produced water onto a WPX production pad surface. A vacuum truck was immediately dispatched to the Site and recovered 10 bbls of fluids. ESRR conducted initial site assessment activities and mapped the observed release footprint on September 4, 2024, hereafter referred to as the Area of Concern (AOC) (**Figure 2**). WPX gave notice to the New Mexico Oil Conservation Division (NMOCD) on September 9, 2024, by Notification of Release (NOR) and a Corrective Action Form C-141 (Form C-141) and was subsequently assigned Incident Number nAPP2425330146. On September 9, 2024, the NMOCD rejected the Form C-141 for the following reasons:

• *"The OCD requests actual calculations, not just the formula."* 

On November 13, 2024, WPX resubmitted the Form C-141 including the attached calculations, which were approved by the NMOCD on November 14, 2024.

On December 2, 2024, WPX requested an extension of the December 3, 2024 deadline to allow additional time for ESRR to finalize this CRR and was granted a 90-day extension by the NMOCD for March 3, 2024.

### Site Characterization



ESRR characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). The following proximities were estimated:

- o Greater than 5 miles of any continuously flowing watercourse or any other significant watercourse;
- Between 1 and 5 miles of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- o Greater than 5 miles of any occupied permanent residence, school, hospital, institution or church;
- Greater than 5 miles of any spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Greater than 5 miles of any other freshwater well or spring;
- Greater than 5 miles of any incorporated municipal boundary or a defined municipal fresh water well field covered under a municipal ordinance;
- Between 1,000 and ½ mile of any wetland;
- Greater than 5 miles of any subsurface mine;
- o Between 1 and 5 miles of any unstable area (i.e. high karst potential); and
- Between 1 and 5 miles of a 100-year floodplain.

Receptor details used to determine the Site characterization are included in Figure 1A and Figure 1B. Referenced Well Records for the closest depth to water wells are attached.

Based on the results from the desktop review and depth to water estimated to be greater than 100 feet below ground surface (bgs), the following Closure Criteria was applied:

Constituents of Concern (COCs)	Closure Criteria <sup>‡</sup>
Chloride	20,000 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	2,500 mg/kg
Gasoline Range Organics (GRO) + Diesel Range Organics (ORO)	1,000 mg/kg
Benzene	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	50 mg/kg
$^{\ddagger}$ The reclamation concentration requirements of 600 mg/kg Chloride and 100 mg/kg T	PH apply to the top 4 feet of areas to be
immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.	

Laboratory Analytical Methods used: Environmental Protection Agency (EPA) 300.0, EPA 8015 NM, EPA 8021 B

# **Delineation Activities**

On September 16 and 17, 2024, ESRR conducted delineation activities to assess the presence or absence of residual soil impacts associated with the AOC. Nineteen delineation boreholes (HA-1 through HA-19) were advanced via hand auger within and surrounding the AOC. Delineation activities were driven by field screening soil for chloride utilizing QuanTab<sup>®</sup> test strips. A minimum of two soil samples were collected from each delineation borehole, representing the highest observed field screening concentrations and the greatest depth. Delineation soil samples were placed directly into pre-cleaned jars, packed with minimal void space, labeled, and placed on ice. The delineation soil samples were transported under strict chain-of-custody procedures, to Envirotech in Farmington, New Mexico, for analysis of the COCs. **Soil Sampling Logs** and **Photographic Documentation** of all activities are attached.

Laboratory analytical results for soil samples collected surrounding the AOC (HA-9 through HA-19) were compliant with Site Closure Criteria and/ or the reclamation standard defining the horizontal periphery of the AOC.

Laboratory analytical results for samples collected within the AOC (HA-1 through HA-8) indicated either TPH-GRO+TPH-DRO/TPH and/or chloride were above the Site Closure Criteria and/or the reclamation standard up to 4 feet bgs. Elevated chloride concentrations were characterized by concentrations ranging Page 2 of 4



from 20,700 mg/kg to 25,000 mg/kg. Elevated TPH-GRO+TPH-DRO/TPH concentrations were characterized by concentrations ranging from 5,688 mg/kg to 24,088 mg/kg. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all delineation soil samples are shown in **Figure 2**.

## **Remediation Activities**

From October 30 through November 4, 2024, ESRR oversaw excavation activities of identified impacts performed via mechanical equipment based on laboratory analytical results associated with delineation soil sampling activities and visual observation. The excavation was vertically advanced to depths approximately ranging from 1-foot to 1.5-feet bgs.

Following the removal of soil, ESRR collected 5-point composite soil samples at a sampling frequency of 200 square feet from the excavation floor (CS-1 through CS-30) and sidewalls (SW-1 through SW-4). The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon resealable plastic bag. The confirmation soil samples were handled, transported, and analyzed as previously described.

Laboratory analytical results indicated that concentrations of COCs for all final confirmation soil samples were below the applicable Site Closure Criteria and/or reclamation standard. Laboratory results are summarized in **Table 1**, included in the attachments. The locations of all final confirmation soil samples are shown in **Figure 3**.

Approximately 494 cubic yards (CY) of impacted soil was removed from the Site and transported to R360 Red Bluff in Orla, Texas under WPX approved manifests. Upon receipt of the final confirmation soil samples results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to "as close to its original state" as possible. The final soil cover was contoured to match the Site's pre-existing grade to prevent ponding of water and erosion.

# **Closure Request**

Based on laboratory analytical results, impacts associated with the inadvertent release have been delineated, excavated and removed from the Site in accordance with Site Closure Criteria. Due to the active status of the well pad, the top 4 feet of the AOC is not ready to undergo complete reclamation in which the primary purpose is to reestablish vegetation. With depth to groundwater estimated to be greater than 100 feet bgs and no sensitive receptors within the established buffers in NMAC 19.15.29.12, WPX believes residual chloride concentrations within the AOC exceeding the reclamation standard but below the Site Closure Criteria meets the requirements set forth in NMAC 19.15.29.13 regulations and is equally protective of human health, the environment, and groundwater.

WPX will reassess the Site during plugging and abandonment activities and address soil concentrations above the reclamation requirements of 100 mg/kg TPH and 600 mg/kg chloride (**Figure 4**). The final remediation will be confirmed via final confirmation sampling and is subject to change. As such, NFA appears warranted at this time, and WPX respectfully requests Closure of this CRR associated with Incident Number nAPP2425330146.



If you have any questions or comments, please do not hesitate to contact Gilbert Moreno at (832) 541-7719 or <u>gmoreno@earthsys.net</u>. Documentation and correspondence notifications and Executed chain-of-custody forms and laboratory analytical reports are attached.

Sincerely, EARTH SYSTEMS RESPONSE & RESTORATION

Gilbert Moreno Carlsbad Operations Manager-Project Geologist

cc: Jim Raley, WPX Energy Permian, LLC Bureau of Land Management

Attachments:

Figure 1 - Site Map Figure 1A - Ground Water Figure 1B - Karst Potential Figure 2 - Delineation Soil Sample Locations Figure 3 - Excavation Soil Sample Locations Figure 4 - Future Restoration Areas Referenced Well Records Soil Sampling Logs Photographic Documentation Table 1 - Soil Sample Analytical Results NMOCD Email Documentation & Correspondance Executed Chain-of-Custody Forms and Laboratory Analytical Reports





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		HR	1						MONITORING W	ELL COMPLETIO	N DIAGRAM
			MPL		C E		Boring/We		W-1	Location: Ross Draw U	Jnit #38
	714	ŠÖ	LUI		NS		Date: 12/8/2020			Client:	
Drilling Me	ethod:		Sampling 1	Method:			Logged By:		3/2020	WPX En	ergy
A	ir Rotar	у		No	one				nn, PG	Talon L	PE
Gravel Pacl	k Type: 0/20 Sar	nd	Gravel Pac	ck Depth Inte 3 B			Seal Type:	lone	Seal Depth Interval: None	Latitude: 32.0303	300
Casing Typ	e:	Diameter:	Depth Interval:					al Depth (ft. BC		Longitude:	
PV Screen Typ	/C	2-inch Slot:	0-100 feet bgs Diameter: Depth Interval:			Interval	Well Total	1( Depth (ft. BGS	05	-103.871 Depth to Water (ft. BTOC):	
	/C	0.010-ii	nch	2-inch	1	105 ft	wen iotai		). )5	> 105	12/16/2020
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	NSCS	Sample ID	Litholog	y/Remarks	Well Completion
0 5 10 15	NM	L	D	N	N	NM	SW	NS	fine sand with m	bink to buff colored hinor medium and he sand	
20 25 30	NM	L	D	N	N	NM	SP	NS		pink poorly graded sand	
35 40 45 50 55 60 65	NM	L	D	N	N	NM	SP	NS		pale orange poorly fine sand	
70 75 80 85 90 95	NM	L	D	N	N	NM	SP	NS		poorly graded fine and	
100	NM	L	D	N	Ν	NM	SP	NS	Tan/pale brown/pal graded fine sand - 7		

								Sample Name: HA-1	Date: 9/16/2024
	F	art	h	Sve	stems	•		Site Name: Ross Draw Unit	
			-		e & Restoratio	-		Incident Number: nAPP242	5330146
								Job Number: 2434	
					SAMPLI	NG LOO	6	Logged By: GM	Method: Hand Auger
Site Coord							<b>-</b>	Hole Diameter: 3.75"	Total Depth: 4 feet
Comments dilution fac						H Chlorid	e Test S	trips chloride, respectively. (	Chloride test performed with 1:4
Moisture Content	Chioride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic	Descriptions/Notes
Dry 1:	2,744	-	Yes	HA-1	0.5	0	CCHE		ll graded with silt, fine to coarse gravel, brown stain, strong
Dry 10	6,960	-	No			- -		(2-4) SAND, dry, tan to light bro to fine grain, no stain, no	own, poorly graded with silt, very fine odor.
Dry 1	1,680	-	No	HA-1	2	2	SP-SM		
Dry 2	2,984	-	No	HA-1	4	4	Total [	Depth	

						Sample Name: HA-2	Date: 9/16/2024
Eart	h	Suz	tom	•		Site Name: Ross Draw Unit #040	
						Incident Number: nAPP24253301	46
						Job Number: 2434	
				NG LOC	G	Logged By: GM	Method: Hand Auger
							Total Depth: 4 feet
	•			H Chlorid	e Test S	trips chloride, respectively. Chlorid	de test performed with 1:4
	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Desc	
2 -	Yes	HA-2	0.5	0	CCHE	(0-1) CALICHE, moist, tan, well grade grain, abundant sm-large gravel H-C odor.	
				_		(1-4) SAND, dry, tan to light brown, po to fine grain, no stain, no odor.	oorly graded with silt, very fine
-	No		1	_	SP-SM		
-	No	HA-2	2	2			
			+				
			+				
-	No	HA-2	4	4			
	OLOGI es: 32.0 eld scree of soil to	OLOGIC / Ses:     32.03078°       eld screening of soil to distille       About Control       Staining       -       Yes       -       No       -       No       -       No	Presponse COLOGIC / SOIL C es: 32.03078°, -103.8 eld screening conductor of soil to distilled water Color () () () () () () () () () ()	Response & Restoratio         OLOGIC / SOIL SAMPLIN         es: 32.03078°, -103.86375°         eld screening conducted with HAC         of soil to distilled water.         Image: Stress of soil to distilled water.         Yes       HA-2       0.5         a       -       Yes       HA-2       2         a       -       No       HA-2       2	es: 32.03078°, -103.86375° eld screening conducted with HACH Chlorid of soil to distilled water.	Presponse & Restoration DLOGIC / SOIL SAMPLING LOG es: 32.03078°, -103.86375° eld screening conducted with HACH Chloride Test S of soil to distilled water.	Systems       Site Name: Ross Draw Unit #040         Incident Number: nAPP24253301       Job Number: nAPP24253301         Job Number: 2434       Job Number: 2434         DLOGIC / SOIL SAMPLING LOG       Logged By: GM         es: 32.03078°, -103.86375°       Hole Diameter: 3.75″         eld screening conducted with HACH Chloride Test Strips chloride, respectively. Chloride for soil to distilled water.         id of soil to distilled water.

							Sample Name: HA-3	Date: 9/16/2024	
L .	art	h	Sve	stems			Site Name: Ross Draw Unit		
L <u>L</u>							Incident Number: nAPP2425	5330146	
			1	e & Restoratio			Job Number: 2434		
				SAMPLI	NG LOO	3	Logged By: GM	Method: Hand Auger	
Site Coordinate							Hole Diameter: 3.75"	Total Depth: 4 feet	
Comments: Fie dilution factor o					CH Chlorid	e Test S	trips chloride, respectively. C	Chloride test performed with 1:4	
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic [	Descriptions/Notes	
Dry 13,952	13,952 - Yes HA-3 0.5 - 0 CCH						<ul> <li>(0-1) CALICHE, moist, tan, well graded with silt, fine to coarse grain, abundant sm-large gravel, brown stain, no odor.</li> <li>(1-4) SAND, dry, tan to light brown, poorly graded with silt, very fine</li> </ul>		
Dry 12,744	-	No		1 -	-	SP-SM	to fine grain, no stain, no c		
Dry 9,884	-	No	HA-3	2	2				
Dry 120	-	No	HA-3	4	4	Total	Depth		

-								r	
								Sample Name: HA-4	Date: 9/16/2024
	F	art	h	Sve	stems			Site Name: Ross Draw Uni	
	<u> </u>							Incident Number: nAPP242	25330146
					e & Restoratio		_	Job Number: 2434	
					SAMPLI	NG LOC	3	Logged By: GM	Method: Hand Auger
	ordinate						<b>-</b> · ·	Hole Diameter: 3.75"	Total Depth: 4 feet
	ents: Fiel factor of					CH Chlorid	e Test S	trips chloride, respectively.	Chloride test performed with 1:4
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol		Descriptions/Notes
Dry	13,952	-	Yes	HA-4	0.5	- 0 	CCHE	grain, abundant sm-large no odor.	rown, poorly graded with silt, very fine
Dry	1,588	-	No		1	-	SP-SM		
Dry	1,484	-	No	HA-4	2	2			
Dry	436	-	No	HA-4	4	4	Total [	Depth	

								Sample Name: HA-5 Date: 9/16/2024
	F	art	h	Sve	stems			Site Name: Ross Draw Unit #040
					e & Restoratio			Incident Number: nAPP2425330146
								Job Number: 2434
					SAMPLI	NG LOO	G	Logged By: GM Method: Hand Auger
	ordinate							Hole Diameter: 3.75" Total Depth: 4 feet
	ents: Fiel factor of		-			H Chlorid	e Test S	Strips chloride, respectively. Chloride test performed with 1:4
anation		3011 10 1						
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
					-	0	CCHE	
						_		grain, abundant sm-large gravel, brown stain,
Dry	248	-	Yes	HA-5	0.5	•		faint H-C odor.
.,						-		@1', no odor
					]	- _		
Dry	352	-	No	HA-5	1			(2-4) SAND, dry, tan to light brown, poorly graded with silt, very fine
					4	_		to fine grain, no stain, no odor.
Dry	484	-	No	HA-5	2	2	SP-SM	-
-					-	_		
					I	_		
						-		
						-		
					+			
Dry	140	-	No	HA-5	4	4		
							Total [	Depth
					/			
				/				
		/		-				
	/							

							Sample Name: HA-6	Date: 9/16/2024
	art	h	Sve	stems			Site Name: Ross Draw Unit	
							Incident Number: nAPP242	5330146
				e & Restoratio			Job Number: 2434	
				SAMPLI	NG LOO	6	Logged By: GM	Method: Hand Auger
Site Coordinate						<b>-</b> · ·	Hole Diameter: 3.75"	Total Depth: 4 feet
Comments: Fie dilution factor of		-			CH Chlorid	e Test S	trips chloride, respectively.	Chloride test performed with 1:4
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic	Descriptions/Notes
Dry 532	-	Yes	HA-6	0.5	0 	CCHE	(0-2) CALICHE, moist, tan, wel grain, abundant sm-large faint H-C odor. @1', no odor	ll graded with silt, fine to coarse e gravel, brown stain,
Dry 588	-	No	HA-6		_ - _		(2-4) SAND, dry, tan to light bro to fine grain, no stain, no	own, poorly graded with silt, very fine odor.
Dry 140	-	No	HA-6	2	2	SP-SM		
Dry <120	_	No	HA-6	4	- - - 4			
						Total I		

								Sample Name: HA-7	Date: 9/16/2024
	E	art	h	Cure	stems	•		Site Name: Ross Draw Unit #	
								Incident Number: nAPP24253	330146
					e & Restoratio			Job Number: 2434	
					SAMPLI	NG LOC	G	Logged By: GM	Method: Hand Auger
	ordinate							Hole Diameter: 3.75"	Total Depth: 4 feet
	ents: Fiel factor of					H Chlorid	e Test S	trips chloride, respectively. Ch	nloride test performed with 1:4
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol		escriptions/Notes
					+	0	CCHE	(0-1) CALICHE, moist, tan, well g	
					- +	_		grain, abundant sm-large g no odor.	ravel, brown stain,
Dry	13,952	-	Yes	HA-7	0.5				
					]				vn, poorly graded with silt, very fine
	0.001					_		to fine grain, no stain, no o	dor.
Dry	9,884	-	No		1		SP-SM		
					+	<u> </u>			
Dry	588	-	No	HA-7	2	2			
					4				
						-			
					+				
						-			
					. 4				
Dry	588	-	No	HA-7	4	4	Total [	)enth	/
/									
<u> </u>	-						-		

7									
								Sample Name: HA-8	Date: 9/16/2024
	F	art	h	Cure	stems	•		Site Name: Ross Draw Unit #	
								Incident Number: nAPP24253	330146
					e & Restoratio			Job Number: 2434	
					SAMPLI	NG LOO	G	Logged By: GM	Method: Hand Auger
	ordinate							Hole Diameter: 3.75"	Total Depth: 4 feet
	ents: Fiel factor of					H Chlorid	e Test S	trips chloride, respectively. Ch	nloride test performed with 1:4
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol		escriptions/Notes
					- +	0	CCHE	(0-1) CALICHE, moist, tan, well g grain, abundant sm-large gi	
					- +	-		no odor.	
Dry	3,536	-	No	HA-8	0.5				
					]	•			n, poorly graded with silt, very fine
	1 404		No			_	SP-SM	to fine grain, no stain, no oc	dor.
Dry	1,484	-	No		1		37-311		
						_			
Dry	120	-	No	HA-8	2	2			
					-	_			
					+				
					1				
Dimit	140		Nia			-			
Dry	140	-	No	HA-8	4	4	Total [	Depth	/
/									

								Sample Name: HA-9	Date: 9/16/2024
	F	art	h	Sve	stems			Site Name: Ross Draw Unit	
	<u> </u>				e & Restoratio			Incident Number: nAPP242	5330146
				1			_	Job Number: 2434	
-					SAMPLI	NG LOO	3	Logged By: GM	Method: Hand Auger
	ordinate						<b>T</b> 10	Hole Diameter: 3.75"	Total Depth: 2 feet
	ents: Fiel					H Chioria	e rest S	trips chioride, respectively. C	Chloride test performed with 1:4
				_			×		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic	Descriptions/Notes
Dry	188	-	No	HA-9	0.5	0	CCHE	grain, abundant sm-large no odor.	own, poorly graded with silt, very fine
Dry	<120	-	No	HA-9			SP-SM		
Dry	<120	-	No	HA-9	2	2	Total I	Depth	

/					Sample Name: HA-10	Date: 9/17/2024
Far	th Sy	stems			Site Name: Ross Draw Unit a	
		se & Restoratio			Incident Number: nAPP2425	330146
					Job Number: 2434	
LITHOLOG			NG LOO	G	Logged By: GM	Method: Hand Auger
Site Coordinates: 32.					Hole Diameter: 3.75"	Total Depth: 2 feet
Comments: Field scre dilution factor of soil to			H Chlorid	e Test S	trips chloride, respectively. C	hloride test performed with 1:4
Moisture Content Chloride (ppm) Vapor (ppm)	Staining Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic D	Descriptions/Notes
Dry 220 -	No HA-10	0.5		CCHE SP-SM	(0-1) CALICHE, moist, tan, well grain, abundant sm-large o no odor. (1-2) SAND, dry, tan to light brow to fine grain, no stain, no o	gravel, no stain, wn, poorly graded with silt, very fine
Dry <116 -	No HA-10	2	2			
				Total I	Depth	

-											
							Sample Name: HA-11	Date: 9/17/2024			
F 1	art	h	Sve	stems			Site Name: Ross Draw Unit a				
l -							Incident Number: nAPP2425	330146			
			·	e & Restoratio			Job Number: 2434				
				SAMPLI	NG LOO	3	Logged By: GM	Method: Hand Auger			
Site Coordinate							Hole Diameter: 3.75"	Total Depth: 2 feet			
Comments: Fie dilution factor c					CH Chlorid	e Test S	trips chloride, respectively. C	hloride test performed with 1:4			
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes				
Dry 220	-	No	HA-11	0.5	0 	CCHE SP-SM	(0-1) CALICHE, moist, tan, well grain, abundant sm-large o no odor. (1-2) SAND, dry, tan to light brow to fine grain, no stain, no o	gravel, no stain, wn, poorly graded with silt, very fine			
Dry 116	_	No	HA-11	2	2						
						Total I					

							Sample Name: HA-12	Date: 9/17/2024
	Fart	h	Sve	stems			Site Name: Ross Draw Unit a	
_							Incident Number: nAPP2425	330146
				e & Restoratio			Job Number: 2434	
				SAMPLI	NG LOC	6	Logged By: GM	Method: Hand Auger
Site Coordinat							Hole Diameter: 3.75"	Total Depth: 2 feet
Comments: Fig dilution factor		•			CH Chlorid	e Test S	trips chloride, respectively. C	hloride test performed with 1:4
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic D	Descriptions/Notes
Dry 220	-	No	HA-12	0.5	0 	CCHE SP-SM	(0-1) CALICHE, moist, tan, well grain, abundant sm-large o no odor. (1-2) SAND, dry, tan to light brow to fine grain, no stain, no o	gravel, no stain, wn, poorly graded with silt, very fine
Dry 220	-	No	HA-12	2	2			
						Total I		

8										
							Sample Name: HA-13	Date: 9/17/2024		
	Fart	h	Sve	stems	•		Site Name: Ross Draw Unit			
							Incident Number: nAPP2425	5330146		
				e & Restoratio			Job Number: 2434			
				SAMPLI	NG LOC	5	Logged By: GM	Method: Hand Auger		
Site Coordin							Hole Diameter: 3.75"	Total Depth: 4 feet		
Comments: dilution facto					H Chiorid	e i est S	trips chioride, respectively. C	chloride test performed with 1:4		
						×				
Moisture Content Chloride	(ppm) Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry 39	6 -	No	HA-13	0.5	0	CCHE SP-SM	(0-1) CALICHE, moist, tan, well grain, abundant sm-large g no odor. (1-4) SAND, dry, tan to light bro to fine grain, no stain, no c	gravel, no stain, wn, poorly graded with silt, very fine		
Dry 16	4 -	No		2	2					
Dry 22	0 -	No	HA-13	4	4	Total [	Depth			

-											
								Sample Name: HA-14	Date: 9/17/2024		
	F	art	h	Sve	stems			Site Name: Ross Draw Unit			
					e & Restoratio			Incident Number: nAPP242	5330146		
				-				Job Number: 2434			
					SAMPLI	NG LOC	<b>;</b>	Logged By: GM	Method: Hand Auger		
	ordinate						- T+ 0	Hole Diameter: 3.75"	Total Depth: 4 feet		
	factor of						e rest s	anps chionde, respectively.	Chloride test performed with 1:4		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	-	No	HA-14	0.5	0 	CCHE SP-SM	(0-1) CALICHE, moist, tan, wel grain, abundant sm-large no odor. (1-4) SAND, dry, tan to light bro to fine grain, no stain, no	gravel, no stain, own, poorly graded with silt, very fine		
Dry	440	-	No		2	2					
Dry	356	-	No	HA-14	4	4	Total [	Depth			

								Sample Name: HA-15	Date: 9/17/2024		
	F	art	h	<b>S</b> 1/0	stems	•		Site Name: Ross Draw Unit			
	<u> </u>							Incident Number: nAPP2425	5330146		
		_			e & Restoratio			Job Number: 2434			
	LITHO	LOGI	<u>C</u> /	SOIL	SAMPLI	NG LOC	G	Logged By: GM	Method: Hand Auger		
	ordinate							Hole Diameter: 3.75"	Total Depth: 4 feet		
	ents: Fiel factor of					H Chlorid	e Test S	trips chloride, respectively. C	chloride test performed with 1:4		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	<116	-	No	HA-15	0.5	0		(0-1) CALICHE, moist, tan, well grain, abundant sm-large no odor. (1-4) SAND, dry, tan to light bro to fine grain, no stain, no c	gravel, no stain, wn, poorly graded with silt, very fine		
Dry	<116	-	No		2 -	- - - - -	SP-SM				
Dry	<116	-	No	HA-15	4	4					
							Total I				

								Ĩ			
								Sample Name: HA-16	Date: 9/17/2024		
	F	art	h	Sve	stems			Site Name: Ross Draw Unit #			
					e & Restoratio			Incident Number: nAPP2425	330146		
								Job Number: 2434			
					SAMPLI	NG LOC	j	Logged By: GM	Method: Hand Auger		
	ordinate						o Toot 0	Hole Diameter: 3.75"	Total Depth: 2 feet		
	factor of					H Chiona	e rest S	trips chioride, respectively. Ci	hloride test performed with 1:4		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	248	-	No	HA-16		0	SP-SM	(0-1) CALICHE, moist, tan, well grain, abundant sm-large g no odor. (1-2) SAND, dry, tan to light brow to fine grain, no stain, no o	gravel, no stain, wn, poorly graded with silt, very fine		
Dry	<116	-	No	HA-16	2	2	Total [	Conth			

-												
								Sample Name: HA-17	Date: 9/17/2024			
	F	art	h	Sve	stems			Site Name: Ross Draw Unit #				
			•	<u>y</u> y <u></u>		<u>,</u>		Incident Number: nAPP2425	330146			
					e & Restoratio		_	Job Number: 2434				
					SAMPLI	NG LOC	3	Logged By: GM	Method: Hand Auger			
Site Coo								Hole Diameter: 3.75"	Total Depth: 2 feet			
Commer dilution fa						CH Chlorid	e Test S	trips chloride, respectively. C	hloride test performed with 1:4			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes				
Dry	<116	-	No	HA-17	0.5	0	CCHE SP-SM	(0-1) CALICHE, moist, tan, well grain, abundant sm-large o no odor. (1-2) SAND, dry, tan to light brow to fine grain, no stain, no o	gravel, no stain, wn, poorly graded with silt, very fine			
Dry	<116	-	No	HA-17	2	2						
							Total I					

r								1			
								Sample Name: HA-18	Date: 9/17/2024		
	F	art	h	Sve	stems			Site Name: Ross Draw Unit			
	_				e & Restoratio			Incident Number: nAPP242	5330146		
		1.0.00						Job Number: 2434			
-					SAMPLI	NG LOC	5	Logged By: GM	Method: Hand Auger		
	ordinate						- T + O	Hole Diameter: 3.75"	Total Depth: 4 feet		
	factor of					-H Chioria	e rest S	trips chioride, respectively. C	Chloride test performed with 1:4		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes			
Dry	440	-	No	HA-18	0.5	0 	CCHE SP-SM	<ul> <li>(0-1) CALICHE, moist, tan, well grain, abundant sm-large no odor.</li> <li>(1-4) SAND, dry, tan to light broc to fine grain, no stain, no of the grain.</li> </ul>	gravel, no stain, own, poorly graded with silt, very fine		
Dry	<116	-	No		2	2 2					
Dry	<116	-	No	HA-18	4	4	Total [	Depth			

r								I	
								Sample Name: HA-19	Date: 9/17/2024
	F	art	h	Sve	stems	5		Site Name: Ross Draw Unit	
					e & Restoratio			Incident Number: nAPP2425	5330146
							<u> </u>	Job Number: 2434	
					SAMPLI	NG LOO	G	Logged By: GM	Method: Hand Auger
	ordinate							Hole Diameter: 3.75"	Total Depth: 4 feet
	factor of						ie Test S	trips chioride, respectively. C	Chloride test performed with 1:4
							×		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic I	Descriptions/Notes
Dry	<116	-	No	HA-19	0.5	0	CCHE SP-SM	(0-1) CALICHE, moist, tan, well grain, abundant sm-large no odor. (1-4) SAND, dry, tan to light bro to fine grain, no stain, no o	gravel, no stain, wn, poorly graded with silt, very fine
Dry	<116	-	No		2	2			
Dry	<116	-	No	HA-19	4	4	Total I	Depth	





PHOTO 1: Southeastern view during initial site assessment. 09/04/2024



**PHOTO 2:** Southeastern view during initial site assessment. 09/04/2024





**PHOTO 4:** Northwestern view during delineation activities. 09/16/2024





**PHOTO 6:** Southeastern view during excavation activities. 11/04/2024

Earth Systems

Ross Draw Unit #040 - Closure Request Report Incident Number: nAPP2425330146 GPS: 32.03078°, -103.86375°







**PHOTO 10:** Southwestern view following restoration activities. 11/19/2024

<u>Eartl</u>	h Sys Respons	stems			Table 1 SAMPLE ANALYT Ross Draw Un Eddy County, Ne		devon WPXENERGY.			
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH ORO (mg/kg)	TPH DRO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
IMOCD Table I Closi telease (NMAC 19.15		ils Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
				Delin	eation Soil Samples -	nAPP2425330146				
HA-1	09/16/24	0.5	<0.0250	<0.0250	<20.0	1,480	757	757	2,237	25,000
HA-1	09/16/24	2	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	14,400
HA-1	09/16/24	4	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	5,710
HA-2	09/16/24	0.5	<0.0250	<0.0250	<20.0	365	711	711	1,076	20,700
HA-2	09/16/24	2	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	11,700
HA-2	09/16/24	4	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	138
HA-3	09/16/24	0.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	22,900
HA-3	09/16/24	2	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	10,100
HA-3	09/16/24	4	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	2,740
HA-4	09/16/24	0.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	22,300
HA-4	09/16/24	2	<0.0250	<0.0250	<20.0	<50.0	115	115	115	1,790
HA-4	09/16/24	4	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	593
HA-5	09/16/24	0.5	<0.0250	12.8	118	18,400	5,570	5,688	24,088	269
HA-5	09/16/24	1	<0.0250	0.265	<20.0	304	958	958	1,262	499
HA-5	09/16/24	2	<0.0250	0.125	<20.0	<50.0	<25.0	<45.0	<95.0	631
HA-5	09/16/24	4	<0.0250	0.145	<20.0	<50.0	<25.0	<45.0	<95.0	144
HA-6	09/16/24	0.5	<0.0250	<0.0250	<20.0	2,960	7,660	7,660	10,620	988
HA-6	09/16/24	1	<0.0250	<0.0250	<20.0	145	371	371	516	694
HA-6	09/16/24	2	<0.0250	0.0489	<20.0	<50.0	<25.0	<45.0	<95.0	165
HA-6	09/16/24	4	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	63.1
HA-7	09/16/24	0.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	22,900
HA-7	09/16/24	2	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	674
HA-7	09/16/24	4	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	654
HA-8	09/16/24	0.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	4,520
HA-8	09/16/24	2	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	96.2
HA-8	09/16/24	4	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	121
HA-9	09/16/24	0.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	145

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Received by OCD: 12/5/2024 12:27:45 PM
<u>Eart</u>	h Sys Respons	stems e & Restoration		Table 1 SOIL SAMPLE ANALYTICAL RESULTS Ross Draw Unit #040 Eddy County, New Mexico				devon wpxenergy.		
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH ORO (mg/kg)	TPH DRO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
MOCD Table I Clos elease (NMAC 19.15		ils Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
				Deline	ation Soil Samples -	nAPP2425330146				
HA-9	09/16/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	56.5
HA-9	09/16/24	2	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	71.1
HA-10	09/17/24	0.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	330
HA-10	09/17/24	2	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	121
HA-11	09/17/24	0.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	278
HA-11	09/17/24	2	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	124
HA-12	09/17/24	0.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	129
HA-12	09/17/24	2	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	103
HA-13	09/17/24	0.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	181
HA-13	09/17/24	4	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	182
HA-14	09/17/24	0.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	<20.0
HA-14	09/17/24	4	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	443
HA-15	09/17/24	0.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	93.4
HA-15	09/17/24	4	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	62.6
HA-16	09/17/24	0.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	85.7
HA-16	09/17/24	2	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	97.4
HA-17	09/17/24	0.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	156
HA-17	09/17/24	2	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	74.7
HA-18	09/17/24	0.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	78.3
HA-18	09/17/24	4	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	40.9
HA-19	09/17/24	0.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	148
HA-19	09/17/24	4	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	<20.0
				Confir	mation Soil Samples -	nAPP2425330146				
CS-1	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	280
CS-2	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	77.7	77.7	77.7	280
CS-3	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	36.2	36.2	36.2	411
CS-4	11/04/24	1.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	922
CS-5	11/04/24	1.5	<0.0250	< 0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	928

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Eart	h Sys Respons	<b>Stems</b> te & Restoration		Table 1 SOIL SAMPLE ANALYTICAL RESULTS Ross Draw Unit #040 Eddy County, New Mexico				devon wpxenergy.			
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH ORO (mg/kg)	TPH DRO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)	
IMOCD Table I Clos Release (NMAC 19.15		ils Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000	
				Confir	mation Soil Samples -	nAPP2425330146					
CS-6	11/04/24	1.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	975	
CS-7	11/04/24	1.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	2,080	
CS-8	11/04/24	1.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	1,960	
CS-9	11/04/24	1.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	2,040	
CS-10	11/04/24	1.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	12,600	
CS-11	11/04/24	1.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	321	
CS-12	11/04/24	1.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	170	
CS-13	11/04/24	1.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	2,260	
CS-14	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	264	
CS-15	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	13,700	
CS-16	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	4,340	
CS-17	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	326	
CS-18	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	1,920	
CS-19	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	10,800	
CS-20	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	477	
CS-21	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	7,630	
CS-22	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	13,000	
CS-23	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	13,100	
CS-24	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	748	
CS-25	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	13,200	
CS-26	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	12,000	
CS-27	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	1,280	
CS-28	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	975	
CS-29	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	581	
CS-30	11/04/24	1	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	875	

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Eart		<b>stems</b> Se & Restoration			Table 1 SAMPLE ANALYT Ross Draw Uni Eddy County, Nev	t #040				70N NERGY.
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH ORO (mg/kg)	TPH DRO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Close Release (NMAC 19.15		ils Impacted by a	10	50	NE	NE	NE	1,000	2,500	20,000
				Confir	mation Soil Samples -	nAPP2425330146		•		
SW-1	11/04/24	0-1.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	179
SW-2	11/04/24	0-1.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	168
SW-3	11/04/24	0-1.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	261
SW-4	11/04/24	0-1.5	<0.0250	<0.0250	<20.0	<50.0	<25.0	<45.0	<95.0	254

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics DRO: Diesel Range Organics

ORO: Oil Range Organics

NMOCD: New Mexico Oil Conservation Division

Text in ""grey"" represents excavated soil samples

Concentrations in **bold and highlighted** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard<sup>‡</sup> for Soils Impacted by a Release

<sup>+</sup>The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.



#### (Extension Approval) - WPX Energy - NAPP2425330146 ROSS DRAW UNIT #040

From Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Date Mon 12/2/2024 1:41 PM

- To Raley, Jim <Jim.Raley@dvn.com>
- Cc Gilbert Moreno <gmoreno@earthsys.net>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

#### RE: Incident #NAPP2425330146

Jim,

Your request for a 90-day extension to **March 3rd, 2025** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau EMNRD - Oil Conservation Division 506 W. Texas Ave.| Artesia, NM 88210 575.909.0302 | robert.hamlet@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, December 2, 2024 2:14 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request -- WPX Energy -- nAPP2425330146

From: Raley, Jim <<u>Jim.Raley@dvn.com</u>>
Sent: Monday, December 2, 2024 2:12 PM
To: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>>
Cc: Gilbert Moreno <<u>gmoreno@earthsys.net</u>>
Subject: [EXTERNAL] Extension Request -- WPX Energy -- nAPP2425330146

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

NMOCD District II,

WPX Energy Permian (WPX) is requesting an extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the Ross Draw Unit #040 (Site).

A produced water and crude oil release was discovered on September 9<sup>th</sup>, 2024, and was subsequently assigned Incident Number nAPP2425330146. From September 16<sup>th</sup> through November 19<sup>th</sup> 2024, Earth Systems Response & Restoration (ESRR) completed initial release delineation activities followed by oversight of excavation activities via mechanical equipment. Approximately 494 cubic yards of impacted soil was removed from the Site and transported to R360 Red Bluff in Orla, Texas.

WPX requests an extension of the December 3<sup>rd</sup>, 2024, deadline for the release associated with Incident Number nAPP2425330146, to allow additional time for ESRR to finalize the subsequent corrective action closure report.

Jim Raley | Environmental Professional - Permian Basin 5315 Buena Vista Dr., Carlsbad, NM 88220 C: (575)689-7597 | jim.raley@dvn.com



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

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

District III

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

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

QUESTIONS

Page 42cof 194

Action 396940

QUESTIONS

Operator: C	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	396940
1	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### QUESTIONS

Prerequisites				
Incident ID (n#)	nAPP2425330146			
Incident Name	NAPP2425330146 ROSS DRAW UNIT #040 @ 30-015-42297			
Incident Type	Produced Water Release			
Incident Status	Notification Accepted			
Incident Well	[30-015-42297] ROSS DRAW UNIT #040			

#### Location of Release Source

Site Name	ROSS DRAW UNIT #040
Date Release Discovered	09/04/2024
Surface Owner	Federal

#### s

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	5,934
What is the estimated number of samples that will be gathered	34
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/04/2024
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Gilbert Moreno P: 832-541-7719
Please provide any information necessary for navigation to sampling site	From the intersection of State Line Rd & Longhorn rd, head E on State Line Rd 2.6 mi, slight left- continue N 0.6 mi, slight right- continue E 0.28 mi, slight left- continue N 1.0 mi, turn right- continue E to location

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:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	396940
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

( E	Created By	Condition	Condition Date
	jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/29/2024

CONDITIONS

Action 396940





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Earth Systems

Project Name: RDU 40

Work Order: E409168

Job Number: 01058-0007

Received: 9/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/27/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 9/27/24

Gilbert Moreno 1910 Resource Ct Carlsbad, NM 88220

Project Name: RDU 40 Workorder: E409168 Date Received: 9/19/2024 8:00:00AM

Gilbert Moreno,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/19/2024 8:00:00AM, under the Project Name: RDU 40.

The analytical test results summarized in this report with the Project Name: RDU 40 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: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

Michelle Gonzales Client Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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#### **Sample Summary**

		Sample Sum			
Earth Systems		Project Name:	RDU 40		Reported:
1910 Resource Ct		Project Number:	01058-0007		-
Carlsbad NM, 88220		Project Manager:	Gilbert Moreno		09/27/24 13:28
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
HA-1 - 0.5'	E409168-01A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-1 - 2'	E409168-02A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-1 - 4'	E409168-03A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-2 - 0.5'	E409168-04A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-2 - 2'	E409168-05A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-2 - 4'	E409168-06A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-3 - 0.5'	E409168-07A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-3 - 2'	E409168-08A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-3 - 4'	E409168-09A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-4 - 0.5'	E409168-10A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-4 - 2'	E409168-11A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-4 - 4'	E409168-12A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-5 - 0.5'	E409168-13A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-5 - 1'	E409168-14A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-5 - 2'	E409168-15A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-5 - 4'	E409168-16A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-6 - 0.5'	E409168-17A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-6 - 1'	E409168-18A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-6 - 2'	E409168-19A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-6 - 4'	E409168-20A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-7 - 0.5'	E409168-21A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-7 - 2'	E409168-22A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-7 - 4'	E409168-23A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-8 - 0.5'	E409168-24A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-8 - 2'	E409168-25A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-8 - 4'	E409168-26A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-9 - 0.5'	E409168-27A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-9 - 1'	E409168-28A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.
HA-9 - 2'	E409168-29A	Soil	09/16/24	09/19/24	Glass Jar, 2 oz.



	S	Sample D	ata			
Earth Systems	Project Name	e: RDU				
1910 Resource Ct	Project Num	Reported:				
Carlsbad NM, 88220	Project Mana	9/27/2024 1:28:05PM				
		HA-1 - 0.5'				
		E409168-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
o-Xylene	ND	0.0250	1	09/19/24	09/26/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	757	25.0	1	09/19/24	09/25/24	
Oil Range Organics (C28-C36)	1480	50.0	1	09/19/24	09/25/24	
Surrogate: n-Nonane		155 %	50-200	09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2438145
Chloride	25000	400	20	09/20/24	09/21/24	



	S	ample D	ata			
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 0103	J 40 58-0007 ert Moreno			<b>Reported:</b> 9/27/2024 1:28:05PM
Carisbad NM, 88220	Project Manag	-	ert Moreno			9/2//2024 1:28:03PM
		HA-1 - 2'				
		E409168-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
p-Xylene	ND	0.0250	1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/25/24	
Surrogate: n-Nonane		127 %	50-200	09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2438145
Chloride	14400	200	10	09/20/24	09/21/24	



	S	Sample D	ata			
Earth Systems 1910 Resource Ct	Project Nam Project Num		U 40 58-0007			Reported:
Carlsbad NM, 88220	Project Man		9/27/2024 1:28:05PM			
		HA-1 - 4'				
		E409168-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
p-Xylene	ND	0.0250	1	09/19/24	09/26/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/25/24	
Surrogate: n-Nonane		147 %	50-200	09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2438145
Chloride	5710	200	10	09/20/24	09/21/24	

	S	ample D	ata			
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 0103	J 40 58-0007 ert Moreno			<b>Reported:</b> 9/27/2024 1:28:05PM
		HA-2 - 0.5'				
		E409168-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
p-Xylene	ND	0.0250	1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	711	25.0	1	09/19/24	09/25/24	
Dil Range Organics (C28-C36)	365	50.0	1	09/19/24	09/25/24	
Surrogate: n-Nonane		124 %	50-200	09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2438145
Chloride	20700	200	10	09/20/24	09/21/24	



	S	ample D	ata			
Earth Systems	Project Name:	: RDU	J 40			
1910 Resource Ct	Project Numb	Reported:				
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moreno			9/27/2024 1:28:05PM
		HA-2 - 2'				
		E409168-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
foluene	ND	0.0250	1	09/19/24	09/26/24	
p-Xylene	ND	0.0250	1	09/19/24	09/26/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/25/24	
Surrogate: n-Nonane		125 %	50-200	09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2438145
Chloride	11700	200	10	09/20/24	09/21/24	



	S	ample D	ata			
Earth Systems 1910 Resource Ct	Project Name:		J 40 58-0007			Denestedi
Carlsbad NM, 88220	Project Numb Project Manag	<b>Reported:</b> 9/27/2024 1:28:05PM				
· · · · · · · · · · · · · · · · · · ·	, ,	HA-2 - 4'				
		HA-2 - 4 <sup>°</sup> E409168-06				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
o-Xylene	ND	0.0250	1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/25/24	
Surrogate: n-Nonane		143 %	50-200	09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2438145
Chloride	138	20.0	1	09/20/24	09/21/24	



	S	ample D	ata			
Earth Systems 1910 Resource Ct			Reported:			
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moreno			9/27/2024 1:28:05PM
		HA-3 - 0.5'				
		E409168-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
p-Xylene	ND	0.0250	1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/24/24	
Surrogate: n-Nonane		122 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2438145
Chloride	22900	1000	50	09/20/24	09/21/24	



	S	Sample D	ata			
Earth Systems 1910 Resource Ct	Project Nam Project Num	ber: 010	58-0007			<b>Reported:</b> 9/27/2024 1:28:05PM
Carlsbad NM, 88220	Project Mana	ager: Gilb	ert Moreno			9/2//2024 1:28:05PM
		HA-3 - 2'				
		E409168-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
o-Xylene	ND	0.0250	1	09/19/24	09/26/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/24/24	
Surrogate: n-Nonane		137 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: DT		Batch: 2438145
Chloride	10100	200	10	09/20/24	09/21/24	



	S	Sample D	ata			
Earth Systems 1910 Resource Ct	Project Nam Project Num		J 40 58-0007			Reported:
Carlsbad NM, 88220	Project Mana	ager: Gilb		9/27/2024 1:28:05PM		
		HA-3 - 4'				
		E409168-09				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
p-Xylene	ND	0.0250	1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/24/24	
Surrogate: n-Nonane		131 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2438145
Chloride	2740	40.0	2	09/20/24	09/21/24	



	S	ample D	ata			
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name Project Numb Project Mana	oer: 0103	J 40 58-0007 ert Moreno			<b>Reported:</b> 9/27/2024 1:28:05PM
	-	-	en moreno			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		HA-4 - 0.5'				
		E409168-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
o-Xylene	ND	0.0250	1	09/19/24	09/26/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/24/24	
Surrogate: n-Nonane		132 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2438145
Chloride	22300	1000	50	09/20/24	09/21/24	



	S	ample D	ata			
Earth Systems 1910 Resource Ct	Project Name: Project Numb		J 40 58-0007			Reported:
Carlsbad NM, 88220	Project Manag		ert Moreno			9/27/2024 1:28:05PM
		HA-4 - 2'				
		E409168-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
p-Xylene	ND	0.0250	1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	Analyst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	115	25.0	1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/24/24	
Surrogate: n-Nonane		128 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2438145
Chloride	1790	40.0	2	09/20/24	09/21/24	



	S	ample D	ata			
Earth Systems	Project Name	e: RDU	J 40			
1910 Resource Ct	Project Numb	Reported:				
Carlsbad NM, 88220	Project Mana	9/27/2024 1:28:05PM				
		HA-4 - 4'				
		E409168-12				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
p-Xylene	ND	0.0250	1	09/19/24	09/26/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		89.7 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/24/24	
Surrogate: n-Nonane		127 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2438145
Chloride	593	100	5	09/20/24	09/21/24	



	S	ample D	ata			
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 010	J 40 58-0007 ert Moreno			<b>Reported:</b> 9/27/2024 1:28:05PM
		HA-5 - 0.5'				
		E409168-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	0.976	0.0250	1	09/19/24	09/26/24	
Toluene	0.106	0.0250	1	09/19/24	09/26/24	
o-Xylene	2.16	0.0250	1	09/19/24	09/26/24	
p,m-Xylene	3.71	0.0500	1	09/19/24	09/26/24	
Total Xylenes	5.87	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	118	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	18400	500	20	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	5570	1000	20	09/19/24	09/24/24	
Surrogate: n-Nonane		211 %	50-200	09/19/24	09/24/24	<i>S5</i>
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2438145
Chloride	269	100	5	09/20/24	09/21/24	



	S	ample D	ata			
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 0105	J 40 58-0007 ert Moreno			<b>Reported:</b> 9/27/2024 1:28:05PM
	T Tojeet Willia		en moreno			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		HA-5 - 1'				
		E409168-14				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/27/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/27/24	
foluene	ND	0.0250	1	09/19/24	09/27/24	
p-Xylene	0.0685	0.0250	1	09/19/24	09/27/24	
o,m-Xylene	0.0640	0.0500	1	09/19/24	09/27/24	
Total Xylenes	0.133	0.0250	1	09/19/24	09/27/24	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	09/19/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	09/19/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	958	50.0	2	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	304	100	2	09/19/24	09/24/24	
Surrogate: n-Nonane		123 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: DT		Batch: 2438145
Chloride	499	100	5	09/20/24	09/21/24	



	S	Sample D	ata				
Earth Systems	Project Nam						D (1
1910 Resource Ct Carlsbad NM, 88220	Project Number: 01058-0007 Project Manager: Gilbert Moreno					<b>Reported:</b> 9/27/2024 1:28:05PM	
Carisbad NM, 88220	Project Mana	iger: Gilb	ert Moreno				9/2//2024 1:28:03PM
		HA-5 - 2'					
		E409168-15					
		Reporting					
Analyte	Result	Limit	Dilut	ion Prep	ared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	Analyst: BA			Batch: 2438119
Benzene	ND	0.0250	1	09/19	9/24	09/26/24	
Ethylbenzene	0.0585	0.0250	1	09/19	9/24	09/26/24	
Toluene	0.0660	0.0250	1	09/19	9/24	09/26/24	
p-Xylene	ND	0.0250	1	09/19	9/24	09/26/24	
o,m-Xylene	ND	0.0500	1	09/19	9/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19	9/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		87.1 %	70-130	09/1	9/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: BA			Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19	9/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	09/1	9/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: AF			Batch: 2438130
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19	9/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19	9/24	09/24/24	
Surrogate: n-Nonane		137 %	50-200	09/1	9/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT			Batch: 2438145
Chloride	631	20.0	1	09/20	0/24	09/21/24	



	S	ample D	ata			
Earth Systems	Project Name		J 40 58-0007			
1910 Resource Ct	Project Numb	Reported:				
Carlsbad NM, 88220	Project Manag	9/27/2024 1:28:05PM				
		HA-5 - 4'				
		E409168-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
p-Xylene	ND	0.0250	1	09/19/24	09/26/24	
o,m-Xylene	0.0723	0.0500	1	09/19/24	09/26/24	
Total Xylenes	0.0723	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		88.0 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/24/24	
Surrogate: n-Nonane		131 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2438145
Chloride	144	100	5	09/20/24	09/21/24	



	S	ample D	ata			
Earth Systems 1910 Resource Ct	Project Name Project Numb	oer: 010	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moreno			9/27/2024 1:28:05PM
		HA-6 - 0.5'				
		E409168-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
p-Xylene	ND	0.0250	1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	7660	250	10	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	2960	500	10	09/19/24	09/24/24	
Surrogate: n-Nonane		129 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2438145
Chloride	988	100	5	09/20/24	09/21/24	



	S	Sample D	ata			
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Nam Project Num Project Man	ber: 010	J 40 58-0007 ert Moreno			<b>Reported:</b> 9/27/2024 1:28:05PM
		HA-6 - 1'				
		E409168-18				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	nalyst: BA		Batch: 2438119
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
p-Xylene	ND	0.0250	1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	nalyst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	nalyst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	371	25.0	1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	145	50.0	1	09/19/24	09/24/24	
Surrogate: n-Nonane		125 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	nalyst: DT		Batch: 2438145
Chloride	694	20.0	1	09/20/24	09/21/24	



	S	Sample D	ata				
Earth Systems	Project Name						
1910 Resource Ct	Project Number: 01058-0007						Reported:
Carlsbad NM, 88220	Project Mana	ager: Gilb	ert Morenc	)			9/27/2024 1:28:05PM
		HA-6 - 2'					
		E409168-19					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst:	BA		Batch: 2438119
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	0.0489	0.0250		1	09/19/24	09/26/24	
o-Xylene	ND	0.0250		1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		88.0 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438130
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		118 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438145
Chloride	165	20.0		1	09/20/24	09/21/24	

	S	ample D	ata			
Earth Systems 1910 Resource Ct	Project Name Project Numb		J 40 58-0007			Reported:
Carlsbad NM, 88220	Project Mana		9/27/2024 1:28:05PM			
		HA-6 - 4'				
		E409168-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA	Batch: 2438119	
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
p-Xylene	ND	0.0250	1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2438119
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2438130
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/24/24	
Surrogate: n-Nonane		135 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2438145
Chloride	63.1	20.0	1	09/20/24	09/21/24	



	S	ample D	ata			
Earth Systems 1910 Resource Ct	Project Name Project Num		J 40 58-0007			Reported:
Carlsbad NM, 88220	Project Mana	9/27/2024 1:28:05PM				
		HA-7 - 0.5'				
		E409168-21				
		Reporting				
Analyte	Result	Limit	Dilutior	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438116
Benzene	ND	0.0250	1	09/19/24	09/25/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/25/24	
Toluene	ND	0.0250	1	09/19/24	09/25/24	
p-Xylene	ND	0.0250	1	09/19/24	09/25/24	
o,m-Xylene	ND	0.0500	1	09/19/24	09/25/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/25/24	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438116
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: AF		Batch: 2438127
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/24/24	
Surrogate: n-Nonane		91.7 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2438104
Chloride	22900	1000	50	09/19/24	09/19/24	



	S	ample D	ata			
Earth Systems	Project Name	: RDU	J 40			
1910 Resource Ct	Project Numb	Reported:				
Carlsbad NM, 88220	Project Manag	9/27/2024 1:28:05PM				
		HA-7 - 2'				
		E409168-22				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	А	nalyst: CG		Batch: 2438116
Benzene	ND	0.0250	1	09/19/24	09/25/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/25/24	
Toluene	ND	0.0250	1	09/19/24	09/25/24	
p-Xylene	ND	0.0250	1	09/19/24	09/25/24	
o,m-Xylene	ND	0.0500	1	09/19/24	09/25/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/25/24	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: CG		Batch: 2438116
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	nalyst: AF		Batch: 2438127
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/24/24	
Surrogate: n-Nonane		102 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: DT		Batch: 2438104
Chloride	674	20.0	1	09/19/24	09/19/24	

	S	Sample D	ata			
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name Project Num Project Mana	ber: 010	J 40 58-0007 ert Moreno			<b>Reported:</b> 9/27/2024 1:28:05PM
		HA-7 - 4'				
		E409168-23				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: CG		Batch: 2438116
Benzene	ND	0.0250	1	09/19/24	09/25/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/25/24	
Toluene	ND	0.0250	1	09/19/24	09/25/24	
p-Xylene	ND	0.0250	1	09/19/24	09/25/24	
o,m-Xylene	ND	0.0500	1	09/19/24	09/25/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/25/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: CG		Batch: 2438116
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2438127
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/24/24	
Surrogate: n-Nonane		94.2 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2438104
Chloride	654	200	10	09/19/24	09/20/24	



	S	ample D	ata				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 010	J 40 58-0007 ert Moreno			<b>Reported:</b> 9/27/2024 1:28:05PM	
		HA-8 - 0.5'					
		E409168-24					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2438116	
Benzene	ND	0.0250	1	09/19/24	09/25/24		
Ethylbenzene	ND	0.0250	1	09/19/24	09/25/24		
Toluene	ND	0.0250	1	09/19/24	09/25/24		
p-Xylene	ND	0.0250	1	09/19/24	09/25/24		
o,m-Xylene	ND	0.0500	1	09/19/24	09/25/24		
Total Xylenes	ND	0.0250	1	09/19/24	09/25/24		
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	09/19/24	09/25/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2438116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/25/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	09/19/24	09/25/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AF		Batch: 2438127	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/24/24		
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/24/24		
Surrogate: n-Nonane		101 %	50-200	09/19/24	09/24/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2438104	
Chloride	4520	200	10	09/19/24	09/20/24		
	S	ample D	ata				
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Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name Project Numl Project Mana	ber: 010	RDU 40 01058-0007 Gilbert Moreno				<b>Reported:</b> 9/27/2024 1:28:05PM
	T Toject Walla	0		0			<i>JEN202</i> 1 1.20.031 M
		HA-8 - 2'					
		E409168-25					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst:	CG		Batch: 2438116
Benzene	ND	0.0250		1	09/19/24	09/25/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/25/24	
Toluene	ND	0.0250		1	09/19/24	09/25/24	
p-Xylene	ND	0.0250		1	09/19/24	09/25/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/25/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/25/24	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	CG		Batch: 2438116
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438127
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		97.3 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438104
Chloride	96.2	20.0		1	09/19/24	09/20/24	

	S	ample D	ata			
Earth Systems	Project Name					
1910 Resource Ct	Project Numb		58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moreno			9/27/2024 1:28:05PM
		HA-8 - 4'				
		E409168-26				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	А	analyst: CG		Batch: 2438116
Benzene	ND	0.0250	1	09/19/24	09/25/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/25/24	
Toluene	ND	0.0250	1	09/19/24	09/25/24	
p-Xylene	ND	0.0250	1	09/19/24	09/25/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/25/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/25/24	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	analyst: CG		Batch: 2438116
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	analyst: AF		Batch: 2438127
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/24/24	
Surrogate: n-Nonane		98.1 %	50-200	09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	analyst: DT		Batch: 2438104
Chloride	121	20.0	1	09/19/24	09/20/24	



	S	ample D	ata				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220		<b>Reported:</b> 9/27/2024 1:28:05PM					
		HA-9 - 0.5'					
		E409168-27					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg Analyst: CG					Batch: 2438116
Benzene	ND	0.0250	1		09/19/24	09/25/24	
Ethylbenzene	ND	0.0250	1		09/19/24	09/25/24	
Foluene	ND	0.0250	1		09/19/24	09/25/24	
p-Xylene	ND	0.0250	1		09/19/24	09/25/24	
o,m-Xylene	ND	0.0500	1		09/19/24	09/25/24	
Total Xylenes	ND	0.0250	1		09/19/24	09/25/24	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: (	CG		Batch: 2438116
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/19/24	09/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130		09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	AF		Batch: 2438127
Diesel Range Organics (C10-C28)	ND	25.0	1		09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0	1		09/19/24	09/24/24	
Surrogate: n-Nonane		88.8 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: ]	DT		Batch: 2438104
Chloride	145	40.0	2	2	09/19/24	09/20/24	



	S	ample D	ata			
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 0103	J 40 58-0007 ert Moreno			<b>Reported:</b> 9/27/2024 1:28:05PM
		HA-9 - 1'				
		E409168-28				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	А	nalyst: CG	Batch: 2438116	
Benzene	ND	0.0250	1	09/19/24	09/25/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/25/24	
Toluene	ND	0.0250	1	09/19/24	09/25/24	
p-Xylene	ND	0.0250	1	09/19/24	09/25/24	
o,m-Xylene	ND	0.0500	1	09/19/24	09/25/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/25/24	
Surrogate: 4-Bromochlorobenzene-PID		98.9 %	70-130	09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: CG		Batch: 2438116
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	09/19/24	09/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	nalyst: AF		Batch: 2438127
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/25/24	
Surrogate: n-Nonane		93.8 %	50-200	09/19/24	09/25/24	
Anions by EPA 300.0/9056A	iions by EPA 300.0/9056A mg/kg mg/kg Analyst: DT					
Chloride	56.5	20.0	1	09/19/24	09/20/24	



	S	ample D	ata			
Earth Systems 1910 Resource Ct	Project Name: Project Numb		J 40 58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moreno			9/27/2024 1:28:05PM
		HA-9 - 2'				
		E409168-29				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	Batch: 2438116		
Benzene	ND	0.0250	1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/26/24	
Toluene	ND	0.0250	1	09/19/24	09/26/24	
p-Xylene	ND	0.0250	1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500	1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/26/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: CG		Batch: 2438116
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: AF		Batch: 2438127
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/19/24	09/25/24	
Gurrogate: n-Nonane		99.0 %	50-200	09/19/24	09/25/24	
Anions by EPA 300.0/9056A	s by EPA 300.0/9056A mg/kg mg/kg Analyst: DT					Batch: 2438104
Chloride	71.1	20.0	1	09/19/24	09/20/24	

## **OC Summary Data**

		QU DI		ii y Data	•				
Earth Systems 1910 Resource Ct		Project Name: Project Number:	01	DU 40 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager:	G	ilbert Moreno					9/27/2024 1:28:05PM
		Volatile O	rganics <b>k</b>	oy EPA 8021	B				Analyst: CG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438116-BLK1)							Prepared: 0	9/19/24 /	Analyzed: 09/25/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.4	70-130			
LCS (2438116-BS1)							Prepared: 0	9/19/24 /	Analyzed: 09/25/24
Benzene	5.07	0.0250	5.00		101	70-130			
Ethylbenzene	4.87	0.0250	5.00		97.4	70-130			
Toluene	4.98	0.0250	5.00		99.6	70-130			
o-Xylene	4.87	0.0250	5.00		97.4	70-130			
p,m-Xylene	9.92	0.0500	10.0		99.2	70-130			
Total Xylenes	14.8	0.0250	15.0		98.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.6	70-130			
LCS Dup (2438116-BSD1)							Prepared: 0	9/19/24 /	Analyzed: 09/25/24
Benzene	5.22	0.0250	5.00		104	70-130	2.84	20	
Ethylbenzene	5.03	0.0250	5.00		101	70-130	3.23	20	
Toluene	5.13	0.0250	5.00		103	70-130	3.02	20	
o-Xylene	5.03	0.0250	5.00		101	70-130	3.19	20	
p,m-Xylene	10.2	0.0500	10.0		102	70-130	3.15	20	
Total Xylenes	15.3	0.0250	15.0		102	70-130	3.16	20	
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			



# **OC Summary Data**

				1				
	Project Name:	RI	OU 40					Reported:
	Project Number:	01	058-0007					
	Project Manager:	Gi	lbert Moreno					9/27/2024 1:28:05PM
	Volatile Or	rganics b	y EPA 8021	B				Analyst: BA
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
					]	Prepared: 0	9/19/24 A	analyzed: 09/26/24
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
7.80		8.00		97.5	70-130			
					1	Prepared: 0	9/19/24 A	analyzed: 09/26/24
5.43	0.0250	5.00		109	70-130			
5.22	0.0250	5.00		104	70-130			
5.34	0.0250	5.00		107	70-130			
5.21	0.0250	5.00		104	70-130			
10.6	0.0500	10.0		106	70-130			
15.8	0.0250	15.0		106	70-130			
7.84		8.00		98.1	70-130			
					]	Prepared: 0	9/19/24 A	analyzed: 09/26/24
5.32	0.0250	5.00		106	70-130	2.10	20	
5.13	0.0250	5.00		103	70-130	1.74	20	
5.23	0.0250	5.00		105	70-130	2.01	20	
	0.0250	5.00		102	70-130	1.82	20	
5.12	0.0250	0100						
5.12 10.4 15.6	0.0250	10.0		104	70-130 70-130	1.74	20 20	
	mg/kg ND ND ND ND ND 7.80 5.43 5.22 5.34 5.22 5.34 5.21 10.6 15.8 7.84 7.84	Project Name: Project Number: Project Manager:    Volatile Or    Result mg/kg  Reporting Limit mg/kg    ND  0.0250    7.80	Project Name:  RI    Project Number:  01    Project Manager:  Gi    Volatile Organics h    Result  Reporting mg/kg  Spike Level mg/kg    ND  0.0250    S.43  0.0250    5.34  0.0250    5.34  0.0250    5.34  0.0250    15.6  15.0    7.84  8.00    5.32  0.0250    5.33  0.0250	Project Name:  RDU 40    Project Number:  01058-0007    Project Manager:  Gilbert Moreno    Volatile Organics by EPA 8021    Result  Reporting  Spike  Source    Result  Limit  Level  Result    mg/kg  mg/kg  mg/kg  mg/kg    ND  0.0250	ND  0.0250  Spike  Source    Result  Limit  Level  Result  Rec    mg/kg  mg/kg  mg/kg  mg/kg  %    ND  0.0250  ND  0.0250    ND  0.0250  ND  0.0250    ND  0.0250  ND  0.0250    ND  0.0250  VD  109    5.43  0.0250  109    5.22  0.0250  104    5.34  0.0250  107    5.21  0.0250  107    5.22  5.00  104    5.34  0.0250  106    7.80  8.00  98.1    5.33  0.0250  5.00  104    5.34  0.0250  5.00  106    5.32  0.0250  5.00  106    7.84  8.00  98.1	Project Name:  RDU 40    Project Number:  01058-0007    Project Manager:  Gilbert Moreno    Volatile Organics by EPA 8021B    Result  Reporting  Spike  Source  Rec    Result  Imit  Level  Result  Rec  Limits    mg/kg  mg/kg  mg/kg  mg/kg  mg/kg  %  %    ND  0.0250  ND  0.0250  ND  1    ND  0.0250  ND  0.0250  1    ND  0.0250  ND  0.0250  1    ND  0.0250  100  7.6130  1    5.43  0.0250  5.00  109  70-130    5.22  0.0250  5.00  104  70-130    5.21  0.0250  5.00  104  70-130    5.21  0.0250  5.00  104  70-130    5.23  0.0250  5.00  106  70-130    1.8  0.0250  5.00 <td>Project Name:  RDU 40    Project Number:  01058-0007    Project Manager:  Gilbert Moreno    Volatile Organics by EPA 8021B    Result  Reporting Limit  Spike Level  Source Result  Rec Limitis  RPD %    mg/kg  mg/kg  mg/kg  mg/kg  Rec  Limitis  RPD    MD  0.0250  ND  0.0250  Prepared: 0    ND  0.0250  ND  0.0250  Prepared: 0    S.43  0.0250  5.00  104  70-130    S.21  0.0250  5.00  104  70-130    S.21  0.0250  15.0  106  70-130    T.84  8.00  98.1  70-130    T.84</td> <td>Project Name:  RDU 40    Project Number:  01058-0007    Project Manager:  Gilbert Moreno    Volatile Organics by EPA 8021B    Result  Reporting  Spike  Source  Rec  Limits  RPD  Limit    mg/kg  mg/kg  mg/kg  mg/kg  mg/kg  %  %  %  %    ND  0.0250  ND  0.0250  ND  Prepared: 09/19/24  A    ND  0.0250  ND  0.0250  Prepared: 09/19/24  A    ND  0.0250  ND  0.0250  Prepared: 09/19/24  A    ND  0.0250  ND  0.0250  Prepared: 09/19/24  A    5.43  0.0250  5.00  109  70-130  Prepared: 09/19/24  A    5.43  0.0250  5.00  104  70-130  I  A    5.43  0.0250  5.00  104  70-130  I  A    5.22  0.0250  5.00  104  70-13</td>	Project Name:  RDU 40    Project Number:  01058-0007    Project Manager:  Gilbert Moreno    Volatile Organics by EPA 8021B    Result  Reporting Limit  Spike Level  Source Result  Rec Limitis  RPD %    mg/kg  mg/kg  mg/kg  mg/kg  Rec  Limitis  RPD    MD  0.0250  ND  0.0250  Prepared: 0    ND  0.0250  ND  0.0250  Prepared: 0    S.43  0.0250  5.00  104  70-130    S.21  0.0250  5.00  104  70-130    S.21  0.0250  15.0  106  70-130    T.84  8.00  98.1  70-130    T.84	Project Name:  RDU 40    Project Number:  01058-0007    Project Manager:  Gilbert Moreno    Volatile Organics by EPA 8021B    Result  Reporting  Spike  Source  Rec  Limits  RPD  Limit    mg/kg  mg/kg  mg/kg  mg/kg  mg/kg  %  %  %  %    ND  0.0250  ND  0.0250  ND  Prepared: 09/19/24  A    ND  0.0250  ND  0.0250  Prepared: 09/19/24  A    ND  0.0250  ND  0.0250  Prepared: 09/19/24  A    ND  0.0250  ND  0.0250  Prepared: 09/19/24  A    5.43  0.0250  5.00  109  70-130  Prepared: 09/19/24  A    5.43  0.0250  5.00  104  70-130  I  A    5.43  0.0250  5.00  104  70-130  I  A    5.22  0.0250  5.00  104  70-13



# **QC Summary Data**

		QU N	uIIIII	ary Data	a				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220		Project Name: Project Number Project Manager	: 0	2DU 40 1058-0007 Gilbert Moreno					<b>Reported:</b> 9/27/2024 1:28:05PM
	No	nhalogenated	Organics	by EPA 801	15D - G	RO			Analyst: CG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438116-BLK1)							Prepared: 0	9/19/24 A	nalyzed: 09/25/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			
LCS (2438116-BS2)							Prepared: 0	9/19/24 A	nalyzed: 09/25/24
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0		89.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			
LCS Dup (2438116-BSD2)							Prepared: 0	9/19/24 A	nalyzed: 09/25/24
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		88.9	70-130	0.834	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			



# **QC Summary Data**

		QC L	u	aly Data	l				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220		Project Name: Project Number Project Manager	0	DU 40 1058-0007 Gilbert Moreno					<b>Reported:</b> 9/27/2024 1:28:05PM
	No	nhalogenated	Organics	by EPA 801	5D - G	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438119-BLK1)							Prepared: 0	9/19/24 A	nalyzed: 09/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			
LCS (2438119-BS2)							Prepared: 0	9/19/24 A	nalyzed: 09/26/24
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			
LCS Dup (2438119-BSD2)							Prepared: 0	9/19/24 A	nalyzed: 09/26/24
Gasoline Range Organics (C6-C10)	51.4	20.0	50.0		103	70-130	3.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			



# **QC Summary Data**

		-		Ty Data					
Earth Systems 1910 Resource Ct		Project Name: Project Number:		DU 40 058-0007					Reported:
Carlsbad NM, 88220		Project Manager:	Gi	lbert Moreno					9/27/2024 1:28:05PM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: AF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438127-BLK1)							Prepared: 0	9/19/24 A	nalyzed: 09/24/24
Diesel Range Organics (C10-C28)	ND								
Breser runge organies (010 020)	ND	25.0							
	ND	25.0 50.0							
Dil Range Organics (C28-C36)			50.0		98.3	50-200			
Dil Range Organics (C28-C36) Surrogate: n-Nonane	ND		50.0		98.3	50-200	Prepared: 0	9/19/24 A	nalyzed: 09/24/24
Dil Range Organics (C28-C36) Surrogate: n-Nonane LCS (2438127-BS1)	ND		50.0		<i>98.3</i> 86.3	50-200	Prepared: 0	9/19/24 A	nalyzed: 09/24/24
Dil Range Organics (C28-C36) Surrogate: n-Nonane LCS (2438127-BS1) Diesel Range Organics (C10-C28)	ND 49.2	50.0					Prepared: 0	9/19/24 A	.nalyzed: 09/24/24
Dil Range Organics (C28-C36) Surrogate: n-Nonane LCS (2438127-BS1) Diesel Range Organics (C10-C28) Surrogate: n-Nonane	ND 49.2 216	50.0	250		86.3	38-132			.nalyzed: 09/24/24 .nalyzed: 09/24/24
Dil Range Organics (C10-C20) Dil Range Organics (C28-C36) Surrogate: n-Nonane LCS (2438127-BS1) Diesel Range Organics (C10-C28) Surrogate: n-Nonane LCS Dup (2438127-BSD1) Diesel Range Organics (C10-C28)	ND 49.2 216	50.0	250		86.3	38-132			



# **QC Summary Data**

		QC S	oumma	ii y Data	a				
Earth Systems 1910 Resource Ct		Project Name: Project Number:		DU 40 058-0007					Reported:
Carlsbad NM, 88220		Project Manager	:: Gi	lbert Moreno					9/27/2024 1:28:05PM
	Nonh	alogenated Org	ganics by	EPA 8015D	) - DRO	/ORO			Analyst: AF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438130-BLK1)							Prepared: 0	9/19/24 A	nalyzed: 09/25/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	76.4		50.0		153	50-200			
LCS (2438130-BS1)							Prepared: 0	9/19/24 A	nalyzed: 09/25/24
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	73.8		50.0		148	50-200			
LCS Dup (2438130-BSD1)							Prepared: 0	9/19/24 A	nalyzed: 09/25/24
1 ( )									2
Diesel Range Organics (C10-C28)	298	25.0	250		119	38-132	10.8	20	5



## **QC Summary Data**

					•				
Earth Systems		Project Name:	R	DU 40					Reported:
1910 Resource Ct		Project Number:	0	1058-0007					-
Carlsbad NM, 88220		Project Manager	: 6	ilbert Moreno					9/27/2024 1:28:05PM
		Anions	by EPA	300.0/9056A	1				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438104-BLK1)							Prepared: 0	9/19/24 <i>A</i>	Analyzed: 09/19/24
Chloride	ND	20.0							
LCS (2438104-BS1)							Prepared: 0	9/19/24 A	Analyzed: 09/19/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2438104-MS1)				Source:	E409163-(	05	Prepared: 0	9/19/24 A	Analyzed: 09/19/24
Chloride	269	100	250	ND	108	80-120			
Matrix Spike Dup (2438104-MSD1)				Source:	E409163-(	05	Prepared: 0	9/19/24 A	Analyzed: 09/19/24
Chloride	267	100	250	ND	107	80-120	0.674	20	



### **QC Summary Data**

Earth Systems 1910 Resource Ct		Project Name: Project Number:		2DU 40 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager:		ilbert Moreno					9/27/2024 1:28:05PM
		Anions	by EPA	300.0/9056A	1				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438145-BLK1)							Prepared: 0	9/20/24 A	nalyzed: 09/21/24
Chloride	ND	20.0							
LCS (2438145-BS1)							Prepared: 0	9/20/24 A	nalyzed: 09/21/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2438145-MS1)				Source:	E409168-	08	Prepared: 0	9/20/24 A	nalyzed: 09/21/24
Chloride	12100	200	250	10100	786	80-120			M4
Matrix Spike Dup (2438145-MSD1)				Source:	E409168-	08	Prepared: 0	9/20/24 A	nalyzed: 09/21/24
Chloride	11500	200	250	10100	546	80-120	5.08	20	M4

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.



-				
I	Earth Systems	Project Name:	RDU 40	
I	1910 Resource Ct	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	09/27/24 13:28

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

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



#### **Chain of Custody**

						Cha	ain of Cu	ust	ody											Page
	Clie	nt Inforn	nation			Invoice Informa	ition				La	b Use	Dnly				TA	г		State
	arth System					npany: WPX Energy Pe			Lab	WO	£.,	J.	b Nu	mber	-	1D	2D	3D Std		NM CO UT TX
	Name: RDU 4 Manager: Gill		000		_ ,	Iress: 5315 Buena Vista I			<u> E</u> .	40	-11(	080	105	<u>7.0</u>	0	<u></u>		X	ון	X
	1910 Resou		eno			r <u>, State, Zip: Carlsbad, Ní</u> one:	VI 0022U					Δ	nalve	is an	d Met	hod		-	1	EPA Program
	te, Zip: Carls		88220			ail: jim.raley@dvn.com						<u>-</u>							SD	
	832-541-77					: 21402114														
mail:	<u>gmoreno@e</u>	arthsys.r	net	t, jos - 1 a						8015									_	pliance Y or N
				Sam	ple Informati		····			<u>کو</u>		5		Σ	ř	etals	a Pkg		PWS	61D #
Time Sampled	Date Sampled	Matrix	No. of Containers		pre mornau	Sample ID	Field	Filter	Lab Number	DRO/ORO by	Depth (ft)	BTEX by 8021	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pig			Remarks
9:00	9/16/2024	S	1			HA-1			l		0.5			X		æ	-			Incident #:
9:10	9/16/2024	S	1			HA-1			S		2			X						nAPP2425330146
9:20	9/16/2024	S	1			HA-1			3		4			X						
9:30	9/16/2024	S	1			HA-2			4		0.5			X						
9:40	9/16/2024	S	1			HA-2			3		2			X						
9:50	9/16/2024	S	1			HA-2			6		4			X						
10:00	9/16/2024	S	1			HA-3			7		0.5			X						
10:10	9/16/2024	5	1			HA-3			8		2			X						
10:20	9/16/2024	S	1		····,	HA-3			9		4		_	×						
10:30	9/16/2024	S	1			HA-4			10		0.5			X						
(field sam			1 authenticity	of this samp	ole. I am aware tha	t tampering with or intentionally n	nislabeling th	e san	nple locatio	n, date	or tim	e of colle	tion is	conside	ered fra	id and	may be	grounds fo	or legal	action.
ampled by Relinquich	GMGM	e)	Date		Time 08:00	Provived by: (Signature) Michelle Gons Provide by: (Signature)	ralec	ate G	1824	Time	80									ceived on ice the day they are bove 0 but less than 6 °C on
Mic	ed by (Signature	e) mzale	Date	17:24	Time 1400	Received by: (Signature)			18.24	TIMINE	730				eivec:	_	:e:			ly
Δ.,	ed by: (Signature	-		18.24	13 <b>3</b> 0	Hotelbed by: (Sknature)	a de	ate 7./	19.24	Ting	:α	)		<u>T1</u>			_ 1	12		<u>T3</u>
	ed by: (Signature		Date		Time	Received by: (Signature)		ate		Time					G Ten		4			
	rix: S - Soil, Sd - So ples are discardo					rrangements are made. Hazaro			ainer Typ											
						rrangements are made. Hazard									uient e	xpens	e. ine	report to	r une ai	naiysis of the above

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#### **Chain of Custody**

						Chain	n of Cus	stod	ły												Page	Z of <u>3</u>
	Clie	ent Inform	mation		<u> </u>	Invoice Informatio			T	<u> </u>	 ני	ab Us	se Or	nly	. <u> </u>		T	T	TAT		State	
Client: F	Earth System	15 R & R			Con	mpany: WPX Energy Perm	ian		Lab	WO#	#		Job	Num	nber		1D		3D	Std		
	Name: RDU 4					dress: 5315 Buena Vista Dr				40	AL	180	0	102.	8.0	$\overline{0}$	E			X	X	2
	Manager: Gill		eno			y, State, Zip: Carlsbad, NM 8	<u> 18220 </u>		_													
	: 1910 Resou te, Zip: Carls		99220			one:			-   '	<b> </b>	r	<del></del>	Ana	alysis	s and	/ Met	thod	<b>.</b>	<del>,,</del>		EPA Program	,
	832-541-77		00220			ail: jim.raley@dvn.com D: 21402114			- '	1 /	'	'	'			'					SDWA CWA RCRA	,
	gmoreno@e		net	<u> </u>		/; Z14UZ114			'	" <sup>!</sup>	'	1 !	(			'					Compliance Y or N	,
						<u></u>			ہ اسہ 	, <sup>8015</sup>	'	_ '	' ا	9			嵩	2			PWSID #	,
				Sam	ple Informatio	on			'	<u> </u>	E	1 8	826	e 30	NN	1.8	Met	noin				
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	N I	Lab lumber	DRO/ORO by	Depth (ft)	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg			Remarks	
10:40	9/16/2024	s	1		<u></u>	HA-4			<u>11</u> '	$\perp$	2				X	<u> </u> '					Incident #:	
10:50	9/16/2024	s	1			HA-4			12		4				X	<u> </u> '					nAPP2425330146	
11:00	9/16/2024	s	1			HA-5		<u> </u>	3		0.5		$\lfloor \  \  \  \  \  \  \  \  \  \  \  \  \ $	ļ'	X							
11:05	9/16/2024	S	1			HA-5		<u> </u>	4		1		$\bot$		X	<u> </u> '						
11:10	9/16/2024	S	1			HA-5		ļŕ	6		2		<b> </b> '	↓'	X	<b> </b> '	<b> </b>					
11:20	9/16/2024	S	1			HA-5		Ц′	Q		4		<u> </u> '	ļ'	X	<b> </b> '	<u> </u>			<b> </b>		
11:30	9/16/2024	S	1			HA-6		1	+		0.5		<u> </u> '	$\vdash$	X	<b> </b> '	<u> </u>					
11:40	9/16/2024	S	1			HA-6			8	$\square$	1		<b> </b> '	<b> </b> '	X	<b> </b> '	<b> </b>					
11:50	9/16/2024	S	1			HA-6		╌┼┻╸	9	$\square$	2		_'	<u> </u> _'	X	<b> </b> '	┣					
12:00	9/16/2024 nal Instructio	S	1			HA-6		17	SO		4				X							
I, (field samp Sampled by: Relinguistie	pler), attest to the :GM ed M (Signature	he validity and	Date	te		at tampering with or intentionally misla Hegelveryby: (signature) Wigher (C Googe		te		Time			ollectic		Sample	les requi	uring the	ermal ;	preservat	tion mu:	ist be received on ice the day they are	
Mich	ed by: (Signatur	onzale	eg G.	9.18.24 5-17:24	Time 1600	Received by: (Signature)	Date Q	1.18.		Time	800 730				subsec	eived	tovs		La		; temp above 0 but less than 6 °C on Se Only	
Relinguishe	ed by: (Signatùr <b>( -</b>	e) 0	Date Q.	.18.24	2330	Beceived by finature	c_ °₫	1.19	9.24	Time	<u>:x</u>	)		ļ	T1				<u>T2</u>	-	<u>T3</u>	

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Page 45 of 47

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above

Date

Time

4

AVG Temp °C\_

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

E

Relinquished by: (Signature)

Date

Sample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other

Time

**Received by: (Signature)** 

samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

						Chair	n of Cus	tody												Page 3 of
	Clie	nt Inforn	nation			Invoice Informatio	on			L	ab Us	se Or	ıly			1	T/	AT	State	
	arth System		· · · · · · · · · · · · · · · · · · ·			ompany: WPX Energy Perm		L	P WC	)#,	-	Jop	Num	ber	_	1D	2D	3D St	MM CO UT T	x
	lame: RDU 4					ddress: 5315 Buena Vista Dr		E	40	114	<u>ð</u>	<b>D</b>	5%	$\omega$	70			X	X	
	Manager: Gil		eno			ty, State, Zip: Carlsbad, NM	88220						l t.						F04 0	
-	1910 Resou te, Zip: Carls		88220			hone: mail: jim.raley@dvn.com					<u> </u>	Ana	lysis	anu	ivie	tnoa T			EPA Program	RCRA
	832-541-77		00220			/0: 21402114														
	gmoreno@e		net						510										Compliance Y o	r N
<u> </u>				Samj	ple Informa	tion			-  ŝ	-	8021	8260	300.0	WN	¥-5	Metals	aion Pkg		PWSID #	
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Numb	역     DRO/ORO by 8015	Depth (ft)	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg		Remarks	
12:10	9/16/2024	s	1			HA-7		21		0.5				х					Incident #:	
12:20	9/16/2024	S	1			HA-7		22		2				х					nAPP242533014	5
12:30	9/16/2024	s	1			HA-7		23	_	4				x						
12:40	9/16/2024	s	1			HA-8		24		0.5				x						
12:50	9/16/2024	S	1			HA-8		25		2				x						
13:00	9/16/2024	S	1			HA-8		26		4				x						
13:10	9/16/2024	s	1		·	HA-9		27	<u>}</u>	0.5				x						
13:20	9/16/2024	S	1			HA-9		28	_	1				X						
13:30	9/16/2024	S	1			HA-9		29		2				x						
Addistor	al Instructio						I													
			d	- 6 ab 10								-1141 -			- 16-		4			
Sampled by		e validity dfi	aourenucity	or uns samp	ne. I ant aware	that tampering with or intentionally misl	iovening the Si	mple toca	uvii, üð	le or th	ne 01 C	onectio	ла IS CC	nsidel	eu 113	uu ant	a may D	e grounds	101 18801 8CUON.	
Relinguist	ad by Signatur	re)	Date	18.24	Time	Received by: (Signature) Mischelle Goorg	aleg 9	18.74	Tim	ໍ້າຮັບ	<u> </u>					-			nust be received on ice the day they vg temp above 0 but less than 6 °C c	
Relinguish	by: (Signatur	e) onza	Date	1824	Time 1600	Received by: (Signature)	Date		Tim		<u>ע</u> א	1			uent d				Jse Only	
Relinguish	ed by: (Signatur		Date	18.24	12330	Received by: (Sterature)	10 9	19.20	Tim	<u>م</u> ر ا	$\tilde{n}$	1		T1	ervel	d on	165:	رب 12	T3	
Relinquish	ed by: (Signatur	re)	Date	10.01	Time	Received by: (Signature)	Date		Tim	e	<u> </u>	1		AVG	i Ten	nn °(	. C	<u></u> ł	<u></u> <u>13</u>	
Sample Mar	rix: S - Soil, Sd - S	Solid, Sg - Slu	idge, A - Aque	eous, O - Othe	er		Con	tainer Ty	/pe:g	- glass	, <b>p</b> - p	oly/p	lastic	, ag	amb	er gl	ass, v	- VOA		
	-	-				r arrangements are made. Hazardou h this COC. The liability of the labora								the c	lient	expen	se. Th	e report fo	or the analysis of the above	
							ge 46 of				E	3					e	n	virot	ec

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#### **Envirotech Analytical Laboratory**

	: Please take note of any NO checkmarks. e no response concerning these items within 24 hours of the	-	-	Checklist (SRC) samples will be analyzed as	requested.	
Client:		ate Received:	09/19/24		Work Order ID:	E409168
Phone:	832-541-7719 D	ate Logged In:	09/18/24	16:05	Logged In By:	Noe Soto
Email:		ue Date:	09/25/24	17:00 (4 day TAT)		
Chain of	f Custody (COC)					
	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	the COC	Yes			
	samples dropped off by client or carrier?		Yes	Carrier: Courier		
	ne COC complete, i.e., signatures, dates/times, requester	d analyses?	Yes	Carrier. <u>Courier</u>		
	all samples received within holding time?	,	Yes			
	Note: Analysis, such as pH which should be conducted in th	e field,			<b>C</b>	4- /D I 4
	i.e, 15 minute hold time, are not included in this disucssion.				Commen	ts/Resolution
	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he 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 visible ice, record the temperature. Actual sample te	eceived w/i 15	Yes			
		прегацие. <u>+</u>				
	Container		NI			
	aqueous VOC samples present?		No NA			
	VOC samples collected in VOA Vials?					
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?	11 10	Yes			
	appropriate volume/weight or number of sample container	s collected?	Yes			
Field La						
	field sample labels filled out with the minimum inform Sample ID?	hation:	Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
Sample ]	Preservation					
	the COC or field labels indicate the samples were pres	erved?	No			
	sample(s) correctly preserved?		NA			
	o filteration required and/or requested for dissolved met	als?	No			
Multiph	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase	,	No			
	s, does the COC specify which phase(s) is to be analyze		NA			
			1 12 1			
	ract Laboratory	1	NT-			
	samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if so		No NA	Subcontract Lab: NA		
∠7. was	a subcontract laboratory specified by the chefit and it so	wito:	INA	Subcontract Lab: NA		

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



envirotech Inc.





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Earth Systems

Project Name: RDU 40

Work Order: E409167

Job Number: 01058-0007

Received: 9/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/27/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 9/27/24

Gilbert Moreno 1910 Resource Ct Carlsbad, NM 88220

Project Name: RDU 40 Workorder: E409167 Date Received: 9/19/2024 8:00:00AM

Gilbert Moreno,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/19/2024 8:00:00AM, under the Project Name: RDU 40.

The analytical test results summarized in this report with the Project Name: RDU 40 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: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

Michelle Gonzales Client Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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#### **Sample Summary**

		Sample Sum	mary		
Earth Systems 1910 Resource Ct Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	RDU 40 01058-0007 Gilbert Moreno		<b>Reported:</b> 09/27/24 11:34
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
IA-10 - 0.25'	E409167-01A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
A-10 - 2'	E409167-02A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
A-11 - 0.5'	E409167-03A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
A-11 - 2'	E409167-04A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
A-12 - 0.5'	E409167-05A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
A-12 - 2'	E409167-06A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
A-13 - 0.5'	E409167-07A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
[A-13 - 4'	E409167-08A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
A-14 - 0.5'	E409167-09A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
[A-14 - 4'	E409167-10A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
IA-15 - 0.5'	E409167-11A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
IA-15 - 4'	E409167-12A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
IA-16 - 0.5'	E409167-13A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
IA-16 - 2'	E409167-14A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
IA-17 - 0.5'	E409167-15A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
[A-17 - 2'	E409167-16A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
A-18 - 0.5'	E409167-17A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
A-18 - 4'	E409167-18A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
A-19 - 0.5'	E409167-19A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.
A-19 - 4'	E409167-20A	Soil	09/17/24	09/19/24	Glass Jar, 2 oz.



		mpic D					
Earth Systems 1910 Resource Ct	Project Name: Project Numbe	RDU	J 40 58-0007				Reported:
Carlsbad NM, 88220	Project Manage		ert Moreno	)			9/27/2024 11:34:51AM
	н	A-10 - 0.25'					
		E409167-01					
		Reporting					
Analyte	Result	Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Foluene	ND	0.0250		1	09/19/24	09/26/24	
-Xylene	ND	0.0250		1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		98.8 %	70-130		09/19/24	09/26/24	
urrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		102 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		98.8 %	70-130		09/19/24	09/26/24	
urrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/26/24	
urrogate: Toluene-d8		102 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		100 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438144
Chloride	330	100	4	5	09/20/24	09/20/24	





	Sa	ample D	ata				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 0103	J 40 58-0007 ert Moren	0			<b>Reported:</b> 9/27/2024 11:34:51AM
		HA-10 - 2' E409167-02					
		Reporting					
Analyte	Result	Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
p-Xylene	ND	0.0250		1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		102 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		97.6%	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		102 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		114 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438144
Chloride	121	20.0		1	09/20/24	09/20/24	



	S	ample D	ata				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 0103	J 40 58-0007 ert Morene	0			<b>Reported:</b> 9/27/2024 11:34:51AM
		HA-11 - 0.5'					
		E409167-03					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
p-Xylene	ND	0.0250		1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		96.3 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		103 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		96.3 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		103 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		110 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438144
Chloride	278	40.0		2	09/20/24	09/20/24	



	Sa	ample D	ata				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 010:	J 40 58-0007 ert Moreno	0			<b>Reported:</b> 9/27/2024 11:34:51AM
		HA-11 - 2' E409167-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
p-Xylene	ND	0.0250		1	09/19/24	09/26/24	
p,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		99.2 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		103 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		99.2 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		103 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		112 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438144
Chloride	124	20.0		1	09/20/24	09/20/24	



	Sa	ample D	ata				
Earth Systems	Project Name:	RDU	J 40				
1910 Resource Ct	Project Number	er: 0105	58-0007				Reported:
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moren	0			9/27/2024 11:34:51AM
	1	HA-12 - 0.5'					
		E409167-05					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
o-Xylene	ND	0.0250		1	09/19/24	09/26/24	
p,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		101 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		101 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		117 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438144
Chloride	129	20.0		1	09/20/24	09/20/24	



	S	ample D	ata				
Earth Systems	Project Name						
1910 Resource Ct	Project Numb		58-0007				Reported:
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moren	0			9/27/2024 11:34:51AM
		HA-12 - 2'					
		E409167-06					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/27/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/27/24	
Toluene	ND	0.0250		1	09/19/24	09/27/24	
p-Xylene	ND	0.0250		1	09/19/24	09/27/24	
p,m-Xylene	ND	0.0500		1	09/19/24	09/27/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/27/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/19/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/19/24	09/27/24	
Surrogate: Toluene-d8		101 %	70-130		09/19/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/27/24	
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/19/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		09/19/24	09/27/24	
Surrogate: Toluene-d8		101 %	70-130		09/19/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF			Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		114 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438144
Chloride	103	20.0		1	09/20/24	09/20/24	



	Sa	ample D	ata				
Earth Systems	Project Name:		J 40				
1910 Resource Ct	Project Number		58-0007				Reported:
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moren	0			9/27/2024 11:34:51AM
	1	HA-13 - 0.5'					
		E409167-07					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/27/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/27/24	
Toluene	ND	0.0250		1	09/19/24	09/27/24	
p-Xylene	ND	0.0250		1	09/19/24	09/27/24	
p,m-Xylene	ND	0.0500		1	09/19/24	09/27/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/27/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130		09/19/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/19/24	09/27/24	
Surrogate: Toluene-d8		98.9 %	70-130		09/19/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/27/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130		09/19/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/19/24	09/27/24	
Surrogate: Toluene-d8		98.9 %	70-130		09/19/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF			Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		122 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438144
Chloride	181	100		5	09/20/24	09/20/24	



	S	ample D	ata				
Earth Systems	Project Name	: RDU	J 40				
1910 Resource Ct	Project Numb		58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ger: Gilb	ert Moren	0			9/27/2024 11:34:51AM
		HA-13 - 4'					
		E409167-08					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/27/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/27/24	
Toluene	ND	0.0250		1	09/19/24	09/27/24	
p-Xylene	ND	0.0250		1	09/19/24	09/27/24	
p,m-Xylene	ND	0.0500		1	09/19/24	09/27/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/27/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130		09/19/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/27/24	
Surrogate: Toluene-d8		101 %	70-130		09/19/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/27/24	
Surrogate: Bromofluorobenzene		97.6 %	70-130		09/19/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/27/24	
Surrogate: Toluene-d8		101 %	70-130		09/19/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF			Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/24/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/24/24	
Surrogate: n-Nonane		126 %	50-200		09/19/24	09/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2438144
Chloride	182	20.0		1	09/20/24	09/20/24	



	S	ample D	ata				
Earth Systems	Project Name	: RDU	J 40				
1910 Resource Ct	Project Numb	er: 0105	58-0007				<b>Reported:</b> 9/27/2024 11:34:51AM
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moren	0			
	]	HA-14 - 0.5'					
		E409167-09					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/27/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/27/24	
Toluene	ND	0.0250		1	09/19/24	09/27/24	
o-Xylene	ND	0.0250		1	09/19/24	09/27/24	
p,m-Xylene	ND	0.0500		1	09/19/24	09/27/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/27/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130		09/19/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		09/19/24	09/27/24	
Surrogate: Toluene-d8		101 %	70-130		09/19/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/27/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130		09/19/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		09/19/24	09/27/24	
Surrogate: Toluene-d8		101 %	70-130		09/19/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	AF		Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/25/24	
Surrogate: n-Nonane		114 %	50-200		09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438144
Chloride	ND	20.0		1	09/20/24	09/21/24	



	S	ample D	ata				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name Project Numb Project Mana	oer: 0103	J 40 58-0007 ert Moreno				<b>Reported:</b> 9/27/2024 11:34:51AM
		HA-14 - 4' E409167-10					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2438118
Benzene	ND	0.0250	1	1	09/19/24	09/27/24	
Ethylbenzene	ND	0.0250	1	1	09/19/24	09/27/24	
Toluene	ND	0.0250	1	1	09/19/24	09/27/24	
o-Xylene	ND	0.0250	1	I	09/19/24	09/27/24	
p,m-Xylene	ND	0.0500	1	1	09/19/24	09/27/24	
Total Xylenes	ND	0.0250	1	1	09/19/24	09/27/24	
Surrogate: Bromofluorobenzene		99.3 %	70-130		09/19/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		09/19/24	09/27/24	
Surrogate: Toluene-d8		101 %	70-130		09/19/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/19/24	09/27/24	
Surrogate: Bromofluorobenzene		99.3 %	70-130		09/19/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		09/19/24	09/27/24	
Surrogate: Toluene-d8		101 %	70-130		09/19/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2438129	
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/19/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	09/19/24	09/25/24	
Surrogate: n-Nonane		110 %	50-200		09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	DT		Batch: 2438144
Chloride	443	20.0	1	1	09/20/24	09/21/24	



	Sa	ample D	ata				
Earth Systems	Project Name:	RDU	J 40				
1910 Resource Ct	Project Numbe	er: 0105	58-0007				Reported:
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moren	0			9/27/2024 11:34:51AM
	I	HA-15 - 0.5'					
		E409167-11					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
p-Xylene	ND	0.0250		1	09/19/24	09/26/24	
p,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		99.6 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		98.5 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		99.6 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		98.5 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF			Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/25/24	
Surrogate: n-Nonane		133 %	50-200		09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2438144
Chloride	93.4	20.0		1	09/20/24	09/21/24	



	S	ample D	ata				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 0103	J 40 58-0007 ert Morene	0			<b>Reported:</b> 9/27/2024 11:34:51AM
		HA-15 - 4'					
		E409167-12					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
p-Xylene	ND	0.0250		1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Fotal Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		98.4 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		97.9 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		98.4 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		97.9 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2438129	
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/25/24	
Surrogate: n-Nonane		125 %	50-200		09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438144
Chloride	62.6	20.0		1	09/20/24	09/21/24	



	Sa	mple D	ata				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: Project Number Project Manage		J 40 58-0007 ert Morenc	)			<b>Reported:</b> 9/27/2024 11:34:51AM
		[A-16 - 0.5'					
	<u> </u>	E409167-13					
Analyte	Result	Reporting Limit	Dilt	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
o-Xylene	ND	0.0250		1	09/19/24	09/26/24	
p,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		100 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		101 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		100 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		101 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF			Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/25/24	
Surrogate: n-Nonane		109 %	50-200		09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438144
Chloride	85.7	20.0		1	09/20/24	09/21/24	


	Sa	ample D	ata				
Earth Systems	Project Name:	RDU	J 40				
1910 Resource Ct	Project Numbe		58-0007				Reported:
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moreno	э			9/27/2024 11:34:51AM
		HA-16 - 2'					
		E409167-14					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
o-Xylene	ND	0.0250		1	09/19/24	09/26/24	
p,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		97.9 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		97.9 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/25/24	
Surrogate: n-Nonane		95.9 %	50-200		09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438144
Chloride	97.4	20.0		1	09/20/24	09/21/24	



	Sa	ample D	ata				
Earth Systems	Project Name:						<b>D</b> (1)
1910 Resource Ct	Project Number		58-0007	_			<b>Reported:</b> 9/27/2024 11:34:51AM
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moren	0			9/2//2024 11:34:51AM
		HA-17 - 0.5'					
		E409167-15					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
o-Xylene	ND	0.0250		1	09/19/24	09/26/24	
p,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		99.7 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		99.1 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		99.7 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		99.1 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/25/24	
Surrogate: n-Nonane		109 %	50-200		09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2438144
Chloride	156	20.0		1	09/20/24	09/21/24	



	S	ample D	ata				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name Project Numb Project Manag	er: 0105	J 40 58-0007 ert Morenc	)			<b>Reported:</b> 9/27/2024 11:34:51AM
		HA-17 - 2' E409167-16					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
p-Xylene	ND	0.0250		1	09/19/24	09/26/24	
p,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		101 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		101 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/25/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/25/24	
Surrogate: n-Nonane		99.3 %	50-200		09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438144
Chloride	74.7	20.0		1	09/20/24	09/21/24	



	Sa	ample D	ata				
Earth Systems 1910 Resource Ct	Project Name: Project Numbe		58-0007				Reported:
Carlsbad NM, 88220	Project Manag	er: Gilb	ert Moren	0			9/27/2024 11:34:51AM
	I	HA-18 - 0.5'					
		E409167-17					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
p-Xylene	ND	0.0250		1	09/19/24	09/26/24	
p,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Fotal Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		98.9 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		98.9 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/25/24	
Gurrogate: n-Nonane		113 %	50-200		09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438144
Chloride	78.3	20.0		1	09/20/24	09/21/24	



	Sa	mple D	ata				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name: Project Number Project Manage		J 40 58-0007 ert Moren	0			<b>Reported:</b> 9/27/2024 11:34:51AM
	, ,	HA-18 - 4'					
		E409167-18					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Foluene	ND	0.0250		1	09/19/24	09/26/24	
o-Xylene	ND	0.0250		1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Total Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		100 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		100 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		100 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		100 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/25/24	
Surrogate: n-Nonane		120 %	50-200		09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438144
Chloride	40.9	20.0		1	09/20/24	09/21/24	



	Sa	ample D	ata				
Earth Systems	Project Name:						
1910 Resource Ct	Project Numbe		58-0007				Reported:
Carlsbad NM, 88220	Project Manag	er: Gilb	ert Moren	0			9/27/2024 11:34:51AM
		HA-19 - 0.5'					
		E409167-19					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/26/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/26/24	
Toluene	ND	0.0250		1	09/19/24	09/26/24	
p-Xylene	ND	0.0250		1	09/19/24	09/26/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/26/24	
Fotal Xylenes	ND	0.0250		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		98.8 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		98.4 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/26/24	
Surrogate: Bromofluorobenzene		98.8 %	70-130		09/19/24	09/26/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		09/19/24	09/26/24	
Surrogate: Toluene-d8		98.4 %	70-130		09/19/24	09/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	AF		Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/25/24	
Surrogate: n-Nonane		117 %	50-200		09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2438144
Chloride	148	20.0		1	09/20/24	09/21/24	



	Sa	ample D	ata				
Earth Systems 1910 Resource Ct	Project Name: Project Numbe		J 40 58-0007				Reported:
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moren	0			9/27/2024 11:34:51AM
		HA-19 - 4'					
		E409167-20					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2438118
Benzene	ND	0.0250		1	09/19/24	09/27/24	
Ethylbenzene	ND	0.0250		1	09/19/24	09/27/24	
Toluene	ND	0.0250		1	09/19/24	09/27/24	
p-Xylene	ND	0.0250		1	09/19/24	09/27/24	
o,m-Xylene	ND	0.0500		1	09/19/24	09/27/24	
Fotal Xylenes	ND	0.0250		1	09/19/24	09/27/24	
Surrogate: Bromofluorobenzene		97.9 %	70-130		09/19/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130		09/19/24	09/27/24	
Surrogate: Toluene-d8		98.6 %	70-130		09/19/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2438118
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/24	09/27/24	
Surrogate: Bromofluorobenzene		97.9 %	70-130		09/19/24	09/27/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130		09/19/24	09/27/24	
Surrogate: Toluene-d8		98.6 %	70-130		09/19/24	09/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2438129
Diesel Range Organics (C10-C28)	ND	25.0		1	09/19/24	09/25/24	
Dil Range Organics (C28-C36)	ND	50.0		1	09/19/24	09/25/24	
Surrogate: n-Nonane		102 %	50-200		09/19/24	09/25/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2438144
Chloride	ND	20.0		1	09/20/24	09/21/24	



# QC Summary Data

Earth Systems		Project Name:		DU 40					Reported:
1910 Resource Ct		Project Number:		058-0007					
Carlsbad NM, 88220		Project Manager:	Gi	lbert Moreno				9/	27/2024 11:34:51AM
	V	olatile Organic	c Compou	unds by EP	<b>A 8260I</b>	3			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438118-BLK1)						]	Prepared: 09	9/19/24 Ana	lyzed: 09/26/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.499		0.500		<b>99</b> .7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
LCS (2438118-BS1)						]	Prepared: 09	9/19/24 Ana	alyzed: 09/26/24
Benzene	2.37	0.0250	2.50		94.9	70-130			
Ethylbenzene	2.41	0.0250	2.50		96.5	70-130			
Toluene	2.37	0.0250	2.50		94.9	70-130			
o-Xylene	2.40	0.0250	2.50		96.1	70-130			
p,m-Xylene	4.81	0.0500	5.00		96.2	70-130			
Total Xylenes	7.21	0.0250	7.50		96.2	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			
LCS Dup (2438118-BSD1)						]	Prepared: 09	9/19/24 Ana	lyzed: 09/26/24
Benzene	2.27	0.0250	2.50		90.9	70-130	4.33	23	
Ethylbenzene	2.34	0.0250	2.50		93.5	70-130	3.16	27	
Toluene	2.31	0.0250	2.50		92.5	70-130	2.58	24	
p-Xylene	2.32	0.0250	2.50		92.7	70-130	3.62	27	
o,m-Xylene	4.65	0.0500	5.00		93.1	70-130	3.34	27	
Total Xylenes	6.97	0.0250	7.50		92.9	70-130	3.43	27	
Surrogate: Bromofluorobenzene	0.477		0.500		95.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

## **QC Summary Data**

		QC D	umm	ary Data	L				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	(	RDU 40 01058-0007 Gilbert Moreno					<b>Reported:</b> 9/27/2024 11:34:51AM
	No	onhalogenated C	Organics	s by EPA 801	5D - G	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2438118-BLK1)							Prepared: 0	9/19/24 Ai	nalyzed: 09/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.499		0.500		<b>99</b> .7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
LCS (2438118-BS2)							Prepared: 0	9/19/24 Ai	nalyzed: 09/26/24
Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
LCS Dup (2438118-BSD2)							Prepared: 0	9/19/24 Ai	nalyzed: 09/26/24
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130	4.85	20	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			



## **QC Summary Data**

Earth Systems		Project Name:	RI	OU 40					Reported:
1910 Resource Ct		Project Number:	01	058-0007					
Carlsbad NM, 88220		Project Manager:	Gi	lbert Moreno					9/27/2024 11:34:51AM
	Nonha	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: AF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438129-BLK1)							Prepared: 0	9/19/24 <i>A</i>	Analyzed: 09/24/24
									J
Diesel Range Organics (C10-C28)	ND	25.0							
	ND ND	25.0 50.0					*		
Oil Range Organics (C28-C36)			50.0		103	50-200	•		
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36) Surrogate: n-Nonane LCS (2438129-BS1)	ND		50.0		103	50-200	Prepared: 0	9/19/24 <i>A</i>	Analyzed: 09/24/24
Dil Range Organics (C28-C36) Surrogate: n-Nonane LCS (2438129-BS1)	ND		50.0		<i>103</i> 90.7	<i>50-200</i> 38-132	Prepared: 09	9/19/24 /	
Dil Range Organics (C28-C36) Surrogate: n-Nonane LCS (2438129-BS1) Diesel Range Organics (C10-C28)	ND 51.5	50.0					Prepared: 0	9/19/24 <i>A</i>	
Dil Range Organics (C28-C36) Surrogate: n-Nonane LCS (2438129-BS1) Diesel Range Organics (C10-C28) Surrogate: n-Nonane	ND 51.5 227	50.0	250		90.7	38-132			
Dil Range Organics (C28-C36) Surrogate: n-Nonane	ND 51.5 227	50.0	250		90.7	38-132			Analyzed: 09/24/24



### **QC Summary Data**

		$\chi \cup \lambda$	••••••	ar y 2 au	•				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220		Project Name: Project Number: Project Manager	(	RDU 40 )1058-0007 Gilbert Moreno					<b>Reported:</b> 9/27/2024 11:34:51A
		Anions	by EPA	300.0/9056A	•				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2438144-BLK1)							Prepared: 0	9/20/24	Analyzed: 09/20/24
Chloride LCS (2438144-BS1)	ND	20.0					Prepared: 0	9/20/24 .	Analyzed: 09/20/24
Chloride	249	20.0	250	~	99.7	90-110	<b>D</b> 1.0	0.10.0.10.4	
Matrix Spike (2438144-MS1)				Source:	E409167-	07	Prepared: 0	9/20/24 .	Analyzed: 09/20/24
Chloride	480	100	250	181	119	80-120			
Matrix Spike Dup (2438144-MSD1)				Source:	E409167-0	07	Prepared: 0	9/20/24	Analyzed: 09/20/24
Chloride	455	100	250	181	110	80-120	5.17	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.



Earth Systems	Project Name:	RDU 40	
1910 Resource Ct	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	09/27/24 11:34

ND	Analyte NOT DETECTED at or above the reporting limit
----	--

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

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

### **Chain of Custody**

**Invoice Information** 

94

State

Client: F	arth System	s R & R			Cor	npany: WPX Energy F	Permian		Lat	b WO	#		Joþ	Num	iber		1D	2D	3D S	Std	NM CO UT TX	
	lame: RDU				Add	ress: 5315 Buena Vist	a Dr		E <sup>i</sup>	40	210	σH	0	057	<u>8.0</u>	B	-			X	X	
	Aanager: Gil		eno		City	, State, Zip: Carlsbad, I	NM 88220															
Address:	1910 Reso	urce Ct			<u>Ph</u>	one:	· · · · · ·						Ana	alysis	s and	Me	hod				EPA Program	
City, Stat	e, Zip: Carls	sbad NM,	88220		Em	ail: jim.raley@dvn.com	1														SDWA CWA RCRA	
Phone:	832-541-77	719			wo	: 21402114																
<u>Email:</u>	gmoreno@e	earthsys.r	net							1 2											Compliance Y or N	
•										8				9			岩				PWSID #	
				Sam	ple Informati	on				_ §	E	8	8260	30	N N	12	Met	nion				
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field	Lab Number	DRO/ORO by 8015	Depth (ft)	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg			Remarks	
9:00	9/17/2024	s	1			HA-10					0.5				х						Incident #:	
9:10	9/17/2024	S	1			HA-10			2		2				x						nAPP2425330146	
9:20						3		0.5				x										
9:30	9/17/2024	s	1			HA-11			4		2				X							
9:40	9/17/2024	s	1			HA-12			5		0.5				x							
9:50	9/17/2024	s	1			HA-12			6		2				X							
10:00	9/17/2024	S	1			HA-13			7		0.5				X							
10:10	9/17/2024	S	1		······································	HA-13			8	<u> </u>	4				X							
10:20	9/17/2024	S	1			HA-14			9		0.5			<b> </b>	X							
10:30	9/17/2024	S	2			HA-14			1D		4				X							
I, (field sam Sampled by Relinguist	GMGMGM	e validity and	Date		Time	t tampering with or intentionali Received by: (Signature)			_	Time			ollectio	on is co	Sampl	es requ	ring the	rmal pr	eservatio	on mu	st be received on ice the day they are	
	Deis			18.24	08:00				18.24	_	800	)			sampl	ea or re ovent.d	ceived p	acked i	n ice at a	in avg	temp above 0 but less than 6 °C on	
Relinquish	ed by: (Signatur	re)	Date	ע או	Time	Received by: (Signature)	•	Date		Time	ก						_				e Only	
1/1/	alle C	<u></u>	9-	18-24		1.M,		<u>4</u> .	18.21		<u> </u>				Rec	eiveo	l on i	ce:	Y,	/ N		
Relinguish	ed by Sighertu	print	Date		Time	Received by (Signature)	~	Date	10 71	Time	. A				1							
Au	<u>n.</u>			18.U	LUU	aunth	w	<u> </u>	<u>7.24</u>	8	<u>:0)</u>				<u>T1</u>				<u>T2</u>		<u>T3</u>	
Relinquish	ed by: (Signatur	re)	Date		Time	Received by: (Signature)	1	Date		- Time					AVG	5 Ten	ס° מו	4	ŀ			
Sample Mat	rix: S - Soil, Sd - S	Solid, Sg - Slu	dge, A - Aqu	eous, <b>O</b> - Oth	er	• • • • • • • • • • • • • • • • • • •		Cont	ainer Typ	pe: g -	glass	<b>p</b> - p	oly/p	olastic					VOA			
Note: Sam	ples are discard	led 14 days	after result	s are report	ed unless other a	rrangements are made. Haza	ardous samp	les w	ill be retur	rned to	client	or dis	pose	d of at	t the c	lient	xpen	se. Th	e repor	t for	the analysis of the above	
samples is	applicable only	to those sa	imples rece	ived by the	laboratory with t	his COC. The liability of the la	aboratory is li	mite	d to the an	nount	pald fo	or on t	he re	port.								
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						Р	age 31	of 3	33				-						- 1	<b>•</b> 1		

Lab Use Only

TAT

**Client Information** 

### Chain of Custody

Released to Imaging: 12/30/2024 8:36:29 AM

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	Clie	nt Inform	nation			Invoice Informati	ion		<b>T</b>		La	b Us	e On	ly		- 1		T/	AT .			Stat	e	1
	arth System					mpany: WPX Energy Pern			Lab	WO	#		I dol	Num	ber		1D	2D	3D			M CO UT	ТХ	1
	Name: RDU 4 Manager: Gill					dress: 5315 Buena Vista Dr y, State, Zip: Carlsbad, NM			–¦E'	HD	216	<b>1</b>	010	51	00	<u> </u>	•			X				4
-	1910 Resou		eno			one:	00220				·	_	Ana	lysis	and	Met	hod					EPA Progr	am	1
	te, Zip: Carls		88220			ail: jim.raley@dvn.com															SDW	A CWA	RCRA	
	832-541-77 gmoreno@e		net		wc	): 21402114															Compli	ance Y	or N	4
<u> </u>	ginorenoere	aruisysii					1			8015		-		0	-	×	格	ž			PWSID			j
	·····		1	Sam	ple Informati	ion				- 2	(¥	y 802	y 8260	le 300	<u>N</u>	ŝ	3 Met	Anion						
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	N	Lab umber	DRO/ORO by	Depth (ft)	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg				Remark	<b>.</b>	
10:40	9/17/2024	S	1			HA-15			1		0.5				X							Incident	<b>#:</b>	
10:50	9/17/2024	S	1			HA-15			2	ļ	4				X						n	APP242533	0146	-
11:00	9/17/2024	S	1			HA-16		<u>\</u>	3		0.5				X								···· ,	
11:10	:10 9/17/2024 S 1 HA-16							4		2				X										
11:20	9/17/2024	S	1			HA-17		1	5		0.5				X						· · · · · .			
11:30	9/17/2024	S	1	 		HA-17			6		2				X									-
11:40	9/17/2024	S	1			HA-18		1	7		0.5				X					_				-
11:50	9/17/2024	S	1			HA-18			8		4				X									-
12:00	9/17/2024	S	1			HA-19			9		0.5				X	_								-
12:10	9/17/2024 al Instructio	S	2			HA-19			20		4				X						_			-
l, (field sam Sampled by	pler), attest to the GM	e validity and		· · · · · · · · · · · · · · · · · · ·		at tampering with or intentionally mis						ne of co	ollectio								_			
9	ed by: (Signatur			18.24	Time 0 <b>9:00</b>	Received by: (signature) Michelle Goore	nleg	nte 1-18	24	Time	I					d or ree	elved p		In ice at	an avg	temp abo	red on ice the da re 0 but less than		
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Relinquish	ed by: (Signatur	e)	Date		Time	Received by: (Signature)	1	ite		Time					AVG			L	Ł					
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						arrangements are made. Hazardo this COC. The liability of the labora									the cl	ent e	xpens	e. Th	e repo	rt for	the ana	ysis of the al	ove	]
L	* u. <sup>_</sup>			-			e 32 of					E	3					e	n		/i	ro	te	ect

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Earth Systems Da	te Received:	09/19/24	08:00	Work Order ID:	E409167
Phone:	832-541-7719 Da	te Logged In:	09/18/24	15:17	Logged In By:	Noe Soto
Email:		ie Date:		17:00 (4 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: Courier		
4. Was the	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes		Commen	ts/Resolution
<u>Sample</u>	Turn Around Time (TAT)					
	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was th	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 t	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are rec minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample ten	nperature: 4°	С			
	Container		-			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	e appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	abel					
	e field sample labels filled out with the minimum information	ation:				
:	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
	Collectors name?		No			
-	<u>Preservation</u>	mad 9	N-			
	s the COC or field labels indicate the samples were prese	rveu?	No NA			
	sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	ls?	No			
<u>Multiph</u>	nase Sample Matrix					
26. Does	s the sample have more than one phase, i.e., multiphase?		No			
27. If ye	es, does the COC specify which phase(s) is to be analyzed	1?	NA			
<u>Subcont</u>	tract Laboratory_					
28. Are	samples required to get sent to a subcontract laboratory?		No			
29. Was	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: NA		

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



envirotech Inc.





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Earth Systems

Project Name: RDU 40

Work Order: E411048

Job Number: 01058-0007

Received: 11/6/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/11/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 11/11/24

Gilbert Moreno 1910 Resource Ct Carlsbad, NM 88220

Project Name: RDU 40 Workorder: E411048 Date Received: 11/6/2024 7:30:00AM

Gilbert Moreno,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/6/2024 7:30:00AM, under the Project Name: RDU 40.

The analytical test results summarized in this report with the Project Name: RDU 40 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: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

Michelle Gonzales Client Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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### **Sample Summary**

		Sample Sum	mary		
Earth Systems 1910 Resource Ct Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	RDU 40 01058-0007 Gilbert Moreno		<b>Reported:</b> 11/11/24 14:46
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-1 1	E411048-01A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
CS-2 1	E411048-01A E411048-02A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
CS-3 1	E411048-03A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
CS-4 1.5	E411048-04A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
CS-5 1.5	E411048-05A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
2S-6 1.5	E411048-06A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
CS-7 1.5	E411048-07A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
CS-8 1.5	E411048-07A E411048-08A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
CS-9 1.5	E411048-08A E411048-09A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
CS-10 1.5	E411048-10A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
2S-11 1.5	E411048-11A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
S-12 1.5	E411048-12A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
S-13 1.5	E411048-13A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
2S-14 1	E411048-14A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
CS-15 1	E411048-15A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
2S-16 1	E411048-16A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
2S-101	E411048-10A E411048-17A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
CS-18 1	E411048-18A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
25-18 1 2S-19 1		Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
	E411048-19A		11/04/24	11/06/24	Glass Jar, 2 oz.
2S-20 1 2S-21 1	E411048-20A	Soil Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
	E411048-21A		11/04/24	11/06/24	Glass Jar, 2 oz.
2S-22 1	E411048-22A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
CS-23 1	E411048-23A	Soil			
2S-24 1	E411048-24A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
S-25 1	E411048-25A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
2S-26 1	E411048-26A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
S-27 1	E411048-27A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
S-28 1	E411048-28A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
2S-29 1	E411048-29A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
2S-30 1	E411048-30A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.



		imple D	uu				
Earth Systems	Project Name:	RDU					
1910 Resource Ct	Project Numbe		58-0007				Reported:
Carlsbad NM, 88220	Project Manage	er: Gilb	ert Moren	0			11/11/2024 2:46:59PM
		CS-1 1					
	]	E411048-01					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Benzene	ND	0.0250		1	11/06/24	11/08/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/08/24	
Toluene	ND	0.0250		1	11/06/24	11/08/24	
-Xylene	ND	0.0250		1	11/06/24	11/08/24	
,m-Xylene	ND	0.0500		1	11/06/24	11/08/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/08/24	
Surrogate: Bromofluorobenzene		102 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		11/06/24	11/08/24	
'urrogate: Toluene-d8		104 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/08/24	
urrogate: Bromofluorobenzene		102 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		11/06/24	11/08/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Dil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		119 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2445072
Chloride	280	20.0		1	11/06/24	11/06/24	

# Sample Data



	S	Sample D	ata					
Earth Systems	Project Nam	e: RDU	J 40					
1910 Resource Ct	Project Num	ber: 0103	58-0007	Reported:				
Carlsbad NM, 88220	Project Man	Project Manager: Gilbert Moreno						
		CS-2 1						
		E411048-02						
		Reporting						
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2445066	
Benzene	ND	0.0250		1	11/06/24	11/08/24		
Ethylbenzene	ND	0.0250		1	11/06/24	11/08/24		
Toluene	ND	0.0250		1	11/06/24	11/08/24		
p-Xylene	ND	0.0250		1	11/06/24	11/08/24		
o,m-Xylene	ND	0.0500		1	11/06/24	11/08/24		
Fotal Xylenes	ND	0.0250		1	11/06/24	11/08/24		
Surrogate: Bromofluorobenzene		97.4 %	70-130		11/06/24	11/08/24		
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		11/06/24	11/08/24		
Surrogate: Toluene-d8		103 %	70-130		11/06/24	11/08/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2445066	
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/08/24		
Surrogate: Bromofluorobenzene		97.4 %	70-130		11/06/24	11/08/24		
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		11/06/24	11/08/24		
Surrogate: Toluene-d8		103 %	70-130		11/06/24	11/08/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2445074	
Diesel Range Organics (C10-C28)	77.7	25.0		1	11/06/24	11/07/24		
Dil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24		
Surrogate: n-Nonane		124 %	50-200		11/06/24	11/07/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2445072	
Chloride	280	20.0		1	11/06/24	11/06/24		



	S	Sample D	ata				
Earth Systems	Project Name	e: RDU	J 40				
1910 Resource Ct	Project Num	ber: 0105	58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ager: Gilb	ert Moren	0			11/11/2024 2:46:59PM
		CS-3 1					
		E411048-03					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Benzene	ND	0.0250		1	11/06/24	11/08/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/08/24	
Toluene	ND	0.0250		1	11/06/24	11/08/24	
p-Xylene	ND	0.0250		1	11/06/24	11/08/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/08/24	
Fotal Xylenes	ND	0.0250		1	11/06/24	11/08/24	
Surrogate: Bromofluorobenzene		99.2 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		11/06/24	11/08/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/08/24	
Surrogate: Bromofluorobenzene		99.2 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		11/06/24	11/08/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2445074
Diesel Range Organics (C10-C28)	36.2	25.0		1	11/06/24	11/07/24	
Dil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		118 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2445072
Chloride	411	20.0		1	11/06/24	11/06/24	



	S	ample D	ata				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name Project Numb Project Mana	oer: 0103	RDU 40 01058-0007 Gilbert Moreno				<b>Reported:</b> 11/11/2024 2:46:59PM
		CS-4 1.5					
		E411048-04					
Analyte	Result	Reporting Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Benzene	ND	0.0250	-	1	11/06/24	11/08/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/08/24	
Toluene	ND	0.0250		1	11/06/24	11/08/24	
p-Xylene	ND	0.0250		1	11/06/24	11/08/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/08/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/08/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		11/06/24	11/08/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/08/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		11/06/24	11/08/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		130 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2445072
Chloride	922	20.0		1	11/06/24	11/06/24	



	S	ample D	ata				
Earth Systems 1910 Resource Ct	Project Name						
Carlsbad NM, 88220	Project Numb Project Mana		58-0007 ert Moren	<u>_</u>		<b>Reported:</b> 11/11/2024 2:46:59PM	
Carisbad NM, 88220	Project Mana	iger: Glib	ert Moren	0			11/11/2024 2.40.39FW
		CS-5 1.5					
		E411048-05					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Benzene	ND	0.0250		1	11/06/24	11/08/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/08/24	
Toluene	ND	0.0250		1	11/06/24	11/08/24	
p-Xylene	ND	0.0250		1	11/06/24	11/08/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/08/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/08/24	
Surrogate: Bromofluorobenzene		98.5 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		11/06/24	11/08/24	
Surrogate: Toluene-d8		102 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/08/24	
Surrogate: Bromofluorobenzene		98.5 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		11/06/24	11/08/24	
Surrogate: Toluene-d8		102 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		118 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2445072
Chloride	928	20.0		1	11/06/24	11/06/24	



	S	ample D	ata				
Earth Systems 1910 Resource Ct	Project Name Project Numb		J 40 58-0007				Reported:
Carlsbad NM, 88220	Project Num Project Mana		ert Moreno	,			11/11/2024 2:46:59PM
	-	CS-6 1.5					
		E411048-06					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	-	Analyst: IY			Batch: 2445066
Benzene	ND	0.0250	1	1	11/06/24	11/08/24	
Ethylbenzene	ND	0.0250	1	1	11/06/24	11/08/24	
Toluene	ND	0.0250	1	1	11/06/24	11/08/24	
o-Xylene	ND	0.0250	1	1	11/06/24	11/08/24	
p,m-Xylene	ND	0.0500	1	1	11/06/24	11/08/24	
Total Xylenes	ND	0.0250	1	1	11/06/24	11/08/24	
Surrogate: Bromofluorobenzene		98.1 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		11/06/24	11/08/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	11/06/24	11/08/24	
Surrogate: Bromofluorobenzene		98.1 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		11/06/24	11/08/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	11/06/24	11/07/24	
Surrogate: n-Nonane		118 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT			Batch: 2445072
Chloride	975	20.0	1	1	11/06/24	11/06/24	



	S	ample D	ata				
Earth Systems	Project Name	e: RDU	J 40				
1910 Resource Ct	Project Numb	ber: 0103	58-0007				Reported:
Carlsbad NM, 88220	Project Mana	iger: Gilb	ert Moren	0	11/11/2024 2:46:59PM		
		CS-7 1.5					
		E411048-07					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Benzene	ND	0.0250		1	11/06/24	11/08/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/08/24	
Toluene	ND	0.0250		1	11/06/24	11/08/24	
p-Xylene	ND	0.0250		1	11/06/24	11/08/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/08/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/08/24	
Surrogate: Bromofluorobenzene		99.4 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		11/06/24	11/08/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/08/24	
Surrogate: Bromofluorobenzene		99.4 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		11/06/24	11/08/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		126 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2445072
Chloride	2080	20.0		1	11/06/24	11/06/24	



	S	ample D	ata				
Earth Systems	Project Name						_
1910 Resource Ct	Project Numb		58-0007				Reported:
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moren	0		11/11/2024 2:46:59PM	
		CS-8 1.5					
		E411048-08					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Benzene	ND	0.0250		1	11/06/24	11/08/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/08/24	
Toluene	ND	0.0250		1	11/06/24	11/08/24	
p-Xylene	ND	0.0250		1	11/06/24	11/08/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/08/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/08/24	
Surrogate: Bromofluorobenzene		101 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130		11/06/24	11/08/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/08/24	
Surrogate: Bromofluorobenzene		101 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130		11/06/24	11/08/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		115 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2445072
Chloride	1960	20.0		1	11/06/24	11/06/24	



	S	ample D	ata				
Earth Systems	Project Name	e: RDU	J 40				
1910 Resource Ct	Project Num		58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ager: Gilb	ert Moren	0		11/11/2024 2:46:59PM	
		CS-9 1.5					
		E411048-09					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Benzene	ND	0.0250		1	11/06/24	11/08/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/08/24	
Toluene	ND	0.0250		1	11/06/24	11/08/24	
p-Xylene	ND	0.0250		1	11/06/24	11/08/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/08/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/08/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130		11/06/24	11/08/24	
Surrogate: Toluene-d8		103 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/08/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130		11/06/24	11/08/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130		11/06/24	11/08/24	
Surrogate: Toluene-d8		103 %	70-130		11/06/24	11/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		122 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2445072
Chloride	2040	20.0		1	11/06/24	11/06/24	



Sample Data											
Earth Systems	Project Name										
1910 Resource Ct	Project Num		58-0007				Reported:				
Carlsbad NM, 88220	Project Mana	ager: Gilb	ert Moreno	11/11/2024 2:46:59PM							
		CS-10 1.5									
		E411048-10									
		Reporting									
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes				
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2445066				
Benzene	ND	0.0250	1	1	11/06/24	11/09/24					
Ethylbenzene	ND	0.0250	1	1	11/06/24	11/09/24					
Toluene	ND	0.0250	1	1	11/06/24	11/09/24					
p-Xylene	ND	0.0250	1	1	11/06/24	11/09/24					
p,m-Xylene	ND	0.0500	1	l	11/06/24	11/09/24					
Total Xylenes	ND	0.0250	1	1	11/06/24	11/09/24					
Surrogate: Bromofluorobenzene		97.8 %	70-130		11/06/24	11/09/24					
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130		11/06/24	11/09/24					
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/09/24					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2445066				
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	11/06/24	11/09/24					
Surrogate: Bromofluorobenzene		97.8 %	70-130		11/06/24	11/09/24					
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130		11/06/24	11/09/24					
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/09/24					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: N	V		Batch: 2445074				
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/06/24	11/07/24					
Oil Range Organics (C28-C36)	ND	50.0	1	1	11/06/24	11/07/24					
Surrogate: n-Nonane		116 %	50-200		11/06/24	11/07/24					
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: D	[		Batch: 2445072				
Chloride	12600	200	1	0	11/06/24	11/06/24					



	S	ample D	ata				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	5	oject Name: RDU 40 oject Number: 01058-0007 oject Manager: Gilbert Moreno					<b>Reported:</b> 11/11/2024 2:46:59PM
		CS-11 1.5					
		E411048-11					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Benzene	ND	0.0250		1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/09/24	
Toluene	ND	0.0250		1	11/06/24	11/09/24	
p-Xylene	ND	0.0250		1	11/06/24	11/09/24	
o,m-Xylene	ND	0.0500		1	11/06/24	11/09/24	
Fotal Xylenes	ND	0.0250		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		96.9 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		103 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		96.9 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		103 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		120 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2445072
Chloride	321	20.0		1	11/06/24	11/06/24	



	S	ample D	ata				
Earth Systems	Project Name	e: RDU	J 40				
1910 Resource Ct	Project Num		58-0007				Reported:
Carlsbad NM, 88220	Project Mana	iger: Gilb	ert Moren	0			11/11/2024 2:46:59PM
		CS-12 1.5					
		E411048-12					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Benzene	ND	0.0250		1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/09/24	
Toluene	ND	0.0250		1	11/06/24	11/09/24	
p-Xylene	ND	0.0250		1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		121 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2445072
Chloride	170	20.0		1	11/06/24	11/06/24	



	S	ample D	ata				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name Project Numb Project Mana	oer: 0103	J 40 58-0007 ert Moreno	)			<b>Reported:</b> 11/11/2024 2:46:59PM
		CS-13 1.5					
		E411048-13					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Benzene	ND	0.0250		1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/09/24	
Toluene	ND	0.0250		1	11/06/24	11/09/24	
p-Xylene	ND	0.0250		1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		99.7 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		99.7 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		121 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2445072
Chloride	2260	20.0		1	11/06/24	11/06/24	



	S	ample Da	ata				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 0105	J 40 58-0007 ert Morenc	)			<b>Reported:</b> 11/11/2024 2:46:59PM
		CS-14 1		-			
		CS-14 1 E411048-14					
		Reporting					
Analyte	Result	Limit	Dih	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2445066
Benzene	ND	0.0250		1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/09/24	
Toluene	ND	0.0250		1	11/06/24	11/09/24	
p-Xylene	ND	0.0250		1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		106 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: N	W		Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		118 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	DT		Batch: 2445072
Chloride	264	20.0		1	11/06/24	11/06/24	



	S	ample D	ata			
Earth Systems 1910 Resource Ct	Project Name Project Numb		J 40 58-0007		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moreno			11/11/2024 2:46:59PM
		CS-15 1				
		E411048-15				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: IY		Batch: 2445066
Benzene	ND	0.0250	1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/06/24	11/09/24	
Toluene	ND	0.0250	1	11/06/24	11/09/24	
p-Xylene	ND	0.0250	1	11/06/24	11/09/24	
o,m-Xylene	ND	0.0500	1	11/06/24	11/09/24	
Fotal Xylenes	ND	0.0250	1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		100 %	70-130	11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	11/06/24	11/09/24	
Surrogate: Toluene-d8		106 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: IY		Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		100 %	70-130	11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	11/06/24	11/09/24	
Surrogate: Toluene-d8		106 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	.nalyst: NV		Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/24	11/07/24	
Dil Range Organics (C28-C36)	ND	50.0	1	11/06/24	11/07/24	
Surrogate: n-Nonane		120 %	50-200	11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	.nalyst: DT		Batch: 2445072
Chloride	13700	200	10	11/06/24	11/06/24	



Sample Data											
Earth Systems	Project Name	e: RDU	J 40								
1910 Resource Ct	Project Num	ber: 0103	58-0007				Reported:				
Carlsbad NM, 88220	Project Mana	ager: Gilb	ert Moren	10			11/11/2024 2:46:59PM				
		CS-16 1									
		E411048-16									
		Reporting									
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes				
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2445066				
Benzene	ND	0.0250		1	11/06/24	11/09/24					
Ethylbenzene	ND	0.0250		1	11/06/24	11/09/24					
Toluene	ND	0.0250		1	11/06/24	11/09/24					
p-Xylene	ND	0.0250		1	11/06/24	11/09/24					
p,m-Xylene	ND	0.0500		1	11/06/24	11/09/24					
Total Xylenes	ND	0.0250		1	11/06/24	11/09/24					
Surrogate: Bromofluorobenzene		97.0 %	70-130		11/06/24	11/09/24					
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		11/06/24	11/09/24					
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/09/24					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2445066				
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/09/24					
Surrogate: Bromofluorobenzene		97.0 %	70-130		11/06/24	11/09/24					
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		11/06/24	11/09/24					
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/09/24					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV			Batch: 2445074				
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24					
Dil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24					
Surrogate: n-Nonane		126 %	50-200		11/06/24	11/07/24					
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2445072				
Chloride	4340	40.0		2	11/06/24	11/06/24					


	S	Sample D	ata				
Earth Systems	Project Nam	e: RDU	J 40				
1910 Resource Ct	Project Num	ber: 0105	58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ager: Gilb	ert Moren	0			11/11/2024 2:46:59PM
		CS-17 1					
		E411048-17					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Benzene	ND	0.0250		1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/09/24	
Toluene	ND	0.0250		1	11/06/24	11/09/24	
p-Xylene	ND	0.0250		1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		122 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2445072
Chloride	326	20.0		1	11/06/24	11/06/24	



	S	Sample D	ata				
Earth Systems	Project Nam	e: RDU	J 40				
1910 Resource Ct	Project Num	iber: 0103	58-0007				Reported:
Carlsbad NM, 88220	Project Man	ager: Gilb	ert Moren	0			11/11/2024 2:46:59PM
		CS-18 1					
		E411048-18					
		Reporting					
Analyte	Result	Limit	Di	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2445066
Benzene	ND	0.0250		1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/09/24	
Toluene	ND	0.0250		1	11/06/24	11/09/24	
p-Xylene	ND	0.0250		1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		104 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Dil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		126 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2445072
Chloride	1920	20.0		1	11/06/24	11/06/24	



	S	Sample Da	ata				
Earth Systems	Project Nam	e: RDU	J 40				
1910 Resource Ct	Project Num	ber: 0105	58-0007				Reported:
Carlsbad NM, 88220	Project Mana	ager: Gilb	ert Moreno	)			11/11/2024 2:46:59PM
		CS-19 1					
		E411048-19					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2445066
Benzene	ND	0.0250		1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/09/24	
Toluene	ND	0.0250		1	11/06/24	11/09/24	
p-Xylene	ND	0.0250		1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		96.8 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		105 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		96.8 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		105 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Dil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		125 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2445072
Chloride	10800	200	1	10	11/06/24	11/06/24	



	S	Sample D	ata				
Earth Systems	Project Nam	e: RDU	J 40				
1910 Resource Ct	Project Num	ber: 0105	58-0007		Reported:		
Carlsbad NM, 88220	Project Man	ager: Gilb	ert Moren	0			11/11/2024 2:46:59PM
		CS-20 1					
		E411048-20					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2445066
Benzene	ND	0.0250		1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/09/24	
Foluene	ND	0.0250		1	11/06/24	11/09/24	
p-Xylene	ND	0.0250		1	11/06/24	11/09/24	
o,m-Xylene	ND	0.0500		1	11/06/24	11/09/24	
Fotal Xylenes	ND	0.0250		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		95.2 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		109 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2445066
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/09/24	
Surrogate: Bromofluorobenzene		95.2 %	70-130		11/06/24	11/09/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		11/06/24	11/09/24	
Surrogate: Toluene-d8		109 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2445074
Diesel Range Organics (C10-C28)	ND	25.0		1	11/06/24	11/07/24	
Dil Range Organics (C28-C36)	ND	50.0		1	11/06/24	11/07/24	
Surrogate: n-Nonane		121 %	50-200		11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2445072
Chloride	477	20.0		1	11/06/24	11/06/24	



	S	ample D	ata			
Earth Systems	Project Name		J 40 58-0007			
1910 Resource Ct	Project Numb	Reported:				
Carlsbad NM, 88220	Project Mana	11/11/2024 2:46:59PM				
		CS-21 1				
		E411048-21				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	Analyst: BA		Batch: 2445081
Benzene	ND	0.0250	1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/06/24	11/09/24	
Toluene	ND	0.0250	1	11/06/24	11/09/24	
o-Xylene	ND	0.0250	1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500	1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250	1	11/06/24	11/09/24	
Surrogate: 4-Bromochlorobenzene-PID		98.9 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2445081
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2445085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/24	11/07/24	
Surrogate: n-Nonane		110 %	50-200	11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2445082
Chloride	7630	100	5	11/06/24	11/06/24	



	S	ample D	ata			
Earth Systems	Project Name	: RDI	J 40			
1910 Resource Ct	Project Numb	Reported:				
Carlsbad NM, 88220	Project Manag	11/11/2024 2:46:59PM				
		CS-22 1				
		E411048-22				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Analyst: BA		Batch: 2445081
Benzene	ND	0.0250	1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/06/24	11/09/24	
Toluene	ND	0.0250	1	11/06/24	11/09/24	
o-Xylene	ND	0.0250	1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500	1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250	1	11/06/24	11/09/24	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: BA		Batch: 2445081
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2445085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/24	11/07/24	
Surrogate: n-Nonane		102 %	50-200	11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2445082
Chloride	13000	200	10	11/06/24	11/06/24	



	S	ample D	ata			
Earth Systems	Project Name		J 40 58-0007			
1910 Resource Ct	Project Numb	Reported:				
Carlsbad NM, 88220	Project Manag	11/11/2024 2:46:59PM				
		CS-23 1				
		E411048-23				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA	Batch: 2445081	
Benzene	ND	0.0250	1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/06/24	11/09/24	
Toluene	ND	0.0250	1	11/06/24	11/09/24	
o-Xylene	ND	0.0250	1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500	1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250	1	11/06/24	11/09/24	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445081
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.1 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2445085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/24	11/07/24	
Surrogate: n-Nonane		103 %	50-200	11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445082
Chloride	13100	200	10	11/06/24	11/06/24	



	S	ample D	ata			
Earth Systems	Project Name		J 40 58-0007			
1910 Resource Ct	Project Numb	Reported:				
Carlsbad NM, 88220	Project Manag	11/11/2024 2:46:59PM				
		CS-24 1				
		E411048-24				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	Analyst: BA		Batch: 2445081
Benzene	ND	0.0250	1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/06/24	11/09/24	
Toluene	ND	0.0250	1	11/06/24	11/09/24	
o-Xylene	ND	0.0250	1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500	1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250	1	11/06/24	11/09/24	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445081
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2445085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/24	11/07/24	
Surrogate: n-Nonane		110 %	50-200	11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2445082
Chloride	748	20.0	1	11/06/24	11/07/24	



	S	ample D	ata			
Earth Systems	Project Name:		J 40 58-0007			
1910 Resource Ct	Project Numb	Reported:				
Carlsbad NM, 88220	Project Manag	11/11/2024 2:46:59PM				
		CS-25 1				
		E411048-25				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA	Batch: 2445081	
Benzene	ND	0.0250	1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/06/24	11/09/24	
Toluene	ND	0.0250	1	11/06/24	11/09/24	
o-Xylene	ND	0.0250	1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500	1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250	1	11/06/24	11/09/24	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445081
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2445085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/24	11/07/24	
Surrogate: n-Nonane		106 %	50-200	11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445082
Chloride	13200	200	10	11/06/24	11/07/24	



	S	ample D	ata			
Earth Systems	Project Name		J 40 58-0007			
1910 Resource Ct	Project Numb	Reported:				
Carlsbad NM, 88220	Project Manag	11/11/2024 2:46:59PM				
		CS-26 1				
		E411048-26				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	Analyst: BA		Batch: 2445081
Benzene	ND	0.0250	1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/06/24	11/09/24	
Toluene	ND	0.0250	1	11/06/24	11/09/24	
o-Xylene	ND	0.0250	1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500	1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250	1	11/06/24	11/09/24	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445081
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2445085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/24	11/07/24	
Surrogate: n-Nonane		109 %	50-200	11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445082
Chloride	12000	200	10	11/06/24	11/07/24	



	S	ample D	ata			
Earth Systems	Project Name	: RDI	U 40			
1910 Resource Ct	Project Numb	Reported:				
Carlsbad NM, 88220	Project Manag	11/11/2024 2:46:59PM				
		CS-27 1				
		E411048-27				
		Reporting				
Analyte	Result	Limit	Dilutic	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	Analyst: BA		Batch: 2445081
Benzene	ND	0.0250	1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/06/24	11/09/24	
Toluene	ND	0.0250	1	11/06/24	11/09/24	
p-Xylene	ND	0.0250	1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500	1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250	1	11/06/24	11/09/24	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2445081
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2445085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/24	11/07/24	
Surrogate: n-Nonane		111 %	50-200	11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: DT		Batch: 2445082
Chloride	1280	20.0	1	11/06/24	11/06/24	



	S	ample D	ata			
Earth Systems	Project Name	: RDU	J 40			
1910 Resource Ct	Project Numb	Reported:				
Carlsbad NM, 88220	Project Manag	11/11/2024 2:46:59PM				
		CS-28 1				
		E411048-28				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2445081
Benzene	ND	0.0250	1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/06/24	11/09/24	
Foluene	ND	0.0250	1	11/06/24	11/09/24	
p-Xylene	ND	0.0250	1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500	1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250	1	11/06/24	11/09/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445081
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2445085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/24	11/07/24	
Dil Range Organics (C28-C36)	ND	50.0	1	11/06/24	11/07/24	
Surrogate: n-Nonane		113 %	50-200	11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445082
Chloride	975	40.0	2	11/06/24	11/07/24	



	S	ample D	ata			
Earth Systems	Project Name:					
1910 Resource Ct	Project Numb		58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moreno		11/11/2024 2:46:59PM	
		CS-29 1				
		E411048-29				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA	Batch: 2445081	
Benzene	ND	0.0250	1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/06/24	11/09/24	
Toluene	ND	0.0250	1	11/06/24	11/09/24	
o-Xylene	ND	0.0250	1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500	1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250	1	11/06/24	11/09/24	
Surrogate: 4-Bromochlorobenzene-PID		99.7 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2445081
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2445085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/24	11/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/06/24	11/07/24	
Surrogate: n-Nonane		119 %	50-200	11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2445082
Chloride	581	20.0	1	11/06/24	11/07/24	



	S	ample D	ata			
Earth Systems	Project Name:	: RDU	J 40			
1910 Resource Ct	Project Numb	er: 0103		Reported:		
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moreno			11/11/2024 2:46:59PM
		CS-30 1				
		E411048-30				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445081
Benzene	ND	0.0250	1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/06/24	11/09/24	
foluene	ND	0.0250	1	11/06/24	11/09/24	
p-Xylene	ND	0.0250	1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500	1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250	1	11/06/24	11/09/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2445081
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2445085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/06/24	11/07/24	
Dil Range Organics (C28-C36)	ND	50.0	1	11/06/24	11/07/24	
Surrogate: n-Nonane		114 %	50-200	11/06/24	11/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2445082
Chloride	875	20.0	1	11/06/24	11/07/24	



# QC Summary Data

		QC D	umma	i y Data					
Earth Systems 1910 Resource Ct		Project Name: Project Number:	01	DU 40 058-0007					Reported:
Carlsbad NM, 88220		Project Manager:	Gi	lbert Moreno				1	1/11/2024 2:46:59PM
	V	olatile Organic	c Compou	unds by EPA	A 8260I	3			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445066-BLK1)						]	Prepared: 1	1/06/24 An	alyzed: 11/08/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
LCS (2445066-BS1)						1	Prepared: 1	1/06/24 An	alyzed: 11/08/24
Benzene	2.20	0.0250	2.50		87.8	70-130			
Ethylbenzene	2.43	0.0250	2.50		97.4	70-130			
Toluene	2.33	0.0250	2.50		93.3	70-130			
p-Xylene	2.44	0.0250	2.50		97.6	70-130			
p,m-Xylene	4.87	0.0500	5.00		97.4	70-130			
Total Xylenes	7.31	0.0250	7.50		97.5	70-130			
Surrogate: Bromofluorobenzene	0.467		0.500		93.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			
LCS Dup (2445066-BSD1)						]	Prepared: 1	1/06/24 An	alyzed: 11/08/24
Benzene	2.30	0.0250	2.50		92.0	70-130	4.61	23	
Ethylbenzene	2.55	0.0250	2.50		102	70-130	4.65	27	
Toluene	2.46	0.0250	2.50		98.3	70-130	5.18	24	
p-Xylene	2.63	0.0250	2.50		105	70-130	7.55	27	
p,m-Xylene	5.24	0.0500	5.00		105	70-130	7.30	27	
Total Xylenes	7.87	0.0250	7.50		105	70-130	7.38	27	
	0.401		0.500		98.2	70-130			
Surrogate: Bromofluorobenzene	0.491		0.000						
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.491 0.498		0.500		99.6	70-130			

# **OC Summary Data**

		QC DI		il y Data	•							
Earth Systems 1910 Resource Ct Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	DU 40 1058-0007 ilbert Moreno					<b>Reported:</b> 11/11/2024 2:46:59PM			
Carisbad NM, 88220		Project Manager:	6	libert Moreno				11/11/2024 2:46:59PM				
		Volatile O	rganics	by EPA 8021	B				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 (2445081-BLK1)							Prepared: 1	1/06/24 A	Analyzed: 11/09/24			
Benzene	ND	0.0250										
Ethylbenzene	ND	0.0250										
Toluene	ND	0.0250										
p-Xylene	ND	0.0250										
p,m-Xylene	ND	0.0500										
Total Xylenes	ND	0.0250										
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		100	70-130						
LCS (2445081-BS1)							Prepared: 11	1/06/24 A	Analyzed: 11/09/24			
Benzene	5.33	0.0250	5.00		107	70-130						
Ethylbenzene	5.14	0.0250	5.00		103	70-130						
Toluene	5.26	0.0250	5.00		105	70-130						
o-Xylene	5.16	0.0250	5.00		103	70-130						
p,m-Xylene	10.5	0.0500	10.0		105	70-130						
Total Xylenes	15.6	0.0250	15.0		104	70-130						
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130						
LCS Dup (2445081-BSD1)							Prepared: 1	1/06/24 A	Analyzed: 11/09/24			
Benzene	5.32	0.0250	5.00		106	70-130	0.196	20				
Ethylbenzene	5.15	0.0250	5.00		103	70-130	0.0923	20				
Toluene	5.25	0.0250	5.00		105	70-130	0.239	20				
o-Xylene	5.16	0.0250	5.00		103	70-130	0.0330	20				
p,m-Xylene	10.5	0.0500	10.0		105	70-130	0.132	20				
Total Xylenes	15.6	0.0250	15.0		104	70-130	0.0775	20				
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130						



# **QC Summary Data**

		QU D	umm	ary Data	L				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	RDU 40 01058-0007 Gilbert Moreno				1	<b>Reported:</b>
	No	onhalogenated C	Organics	by EPA 801	5D - G	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2445066-BLK1)							Prepared: 1	1/06/24 Ar	nalyzed: 11/08/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
LCS (2445066-BS2)							Prepared: 1	1/06/24 Ar	nalyzed: 11/08/24
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.1	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
LCS Dup (2445066-BSD2)							Prepared: 1	1/06/24 Ar	nalyzed: 11/08/24
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	70-130	0.888	20	
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			



# **QC Summary Data**

		ΥČ ~	/	ar y 2 au						
Earth Systems		Project Name:	R	DU 40					Reported:	
1910 Resource Ct		Project Number	: 0	1058-0007						
Carlsbad NM, 88220		Project Manage	r: G	ilbert Moreno					11/11/2024 2:46:59PM	
	No	onhalogenated	Organics	by EPA 80	15D - G	RO			Analyst: BA	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2445081-BLK1)							Prepared: 1	1/06/24 A	nalyzed: 11/09/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130				
LCS (2445081-BS2)							Prepared: 1	1/06/24 A	analyzed: 11/09/24	
Gasoline Range Organics (C6-C10)	39.5	20.0	50.0		78.9	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130				
LCS Dup (2445081-BSD2)							Prepared: 1	1/06/24 A	nalyzed: 11/09/24	
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0		82.6	70-130	4.53	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130				



# **QC Summary Data**

Earth Systems		Project Name:	RI	OU 40					Reported:
1910 Resource Ct		Project Number:	01	058-0007					
Carlsbad NM, 88220		Project Manager	n: Gi	lbert Moreno					11/11/2024 2:46:59PM
	Nonha	logenated Org	ganics by	EPA 8015D	- DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445074-BLK1)							Prepared: 1	1/06/24 A	analyzed: 11/07/24
Diesel Range Organics (C10-C28)	ND	25.0							
		25.0							
Oil Range Organics (C28-C36)	ND	50.0							
	ND 58.5		50.0		117	50-200			
Surrogate: n-Nonane			50.0		117	50-200	Prepared: 1	1/06/24 A	analyzed: 11/07/24
Surrogate: n-Nonane LCS (2445074-BS1)			50.0		99.9	50-200	Prepared: 1	1/06/24 A	analyzed: 11/07/24
Surrogate: n-Nonane LCS (2445074-BS1) Diesel Range Organics (C10-C28)	58.5	50.0					Prepared: 1	1/06/24 A	analyzed: 11/07/24
Surrogate: n-Nonane LCS (2445074-BS1) Diesel Range Organics (C10-C28) Surrogate: n-Nonane	58.5 250	50.0	250		99.9	38-132			nalyzed: 11/07/24 nalyzed: 11/07/24
Oil Range Organics (C28-C36) Surrogate: n-Nonane LCS (2445074-BS1) Diesel Range Organics (C10-C28) Surrogate: n-Nonane LCS Dup (2445074-BSD1) Diesel Range Organics (C10-C28)	58.5 250	50.0	250		99.9	38-132			



# **QC Summary Data**

Earth Systems		Project Name:	RI	OU 40					Reported:
1910 Resource Ct		Project Number:	01	058-0007					
Carlsbad NM, 88220		Project Manager	: Gi	lbert Moreno					11/11/2024 2:46:59PM
	Nonha	logenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445085-BLK1)							Prepared: 1	1/06/24 A	analyzed: 11/06/24
Diesel Range Organics (C10-C28)	ND	25.0							
		23.0							
Dil Range Organics (C28-C36)	ND	50.0							
8 8 ( )			50.0		105	50-200			
Dil Range Organics (C28-C36) Surrogate: n-Nonane LCS (2445085-BS1)	ND		50.0		105	50-200	Prepared: 1	1/06/24 A	analyzed: 11/07/24
Surrogate: n-Nonane	ND		50.0		95.3	50-200	Prepared: 1	1/06/24 A	analyzed: 11/07/24
Surrogate: n-Nonane LCS (2445085-BS1) Diesel Range Organics (C10-C28)	ND 52.6	50.0					Prepared: 1	1/06/24 A	analyzed: 11/07/24
Surrogate: n-Nonane LCS (2445085-BS1) Diesel Range Organics (C10-C28) Surrogate: n-Nonane	ND 52.6 238	50.0	250		95.3	38-132			analyzed: 11/07/24 analyzed: 11/07/24
Surrogate: n-Nonane	ND 52.6 238	50.0	250		95.3	38-132			



# **QC Summary Data**

		QU N	<i></i>	ary Date	•				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	C	RDU 40 )1058-0007 Gilbert Moreno					<b>Reported:</b> 11/11/2024 2:46:59PM
		Anions	by EPA	300.0/9056A	L				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445072-BLK1)							Prepared: 1	1/06/24 A	Analyzed: 11/06/24
Chloride	ND	20.0							
LCS (2445072-BS1)							Prepared: 1	1/06/24 A	Analyzed: 11/06/24
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2445072-MS1)				Source:	E411048-(	)4	Prepared: 1	1/06/24 A	Analyzed: 11/06/24
Chloride	1180	20.0	250	922	104	80-120			
Matrix Spike Dup (2445072-MSD1)				Source:	E411048-(	)4	Prepared: 1	1/06/24 A	Analyzed: 11/06/24
Chloride	1180	20.0	250	922	105	80-120	0.220	20	



## **QC Summary Data**

		$\mathbf{x} \circ \sim$			•					
Earth Systems 1910 Resource Ct Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	C	RDU 40 01058-0007 Gilbert Moreno					<b>Reported:</b> 11/11/2024 2:46:59	PM
		Anions	by EPA	300.0/9056A					Analyst: DT	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	t	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2445082-BLK1)							Prepared:	11/06/24	Analyzed: 11/06/24	
Chloride	ND	20.0								
LCS (2445082-BS1)							Prepared:	11/06/24	Analyzed: 11/06/24	
Chloride	254	20.0	250		102	90-110				
Matrix Spike (2445082-MS1)				Source: H	E <b>411048-</b> 2	27	Prepared:	11/06/24	Analyzed: 11/06/24	
Chloride	1610	20.0	250	1280	130	80-120			M4	
Matrix Spike Dup (2445082-MSD1)				Source: H	E <b>411048-</b> 2	27	Prepared:	11/06/24	Analyzed: 11/06/24	
Chloride	1570	20.0	250	1280	115	80-120	2.31	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.



Earth Systems	Project Name:	RDU 40	
1910 Resource Ct	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/11/24 14:46

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Chain of Custo										Lab Use Only WW TAT Lab WO# Job Number 1D 2D 3D Std NM										I	Page				
	Clia	nt Inforn	antion			Inv	oice Information	-			- 510	12	hII	se Or	du.			410	<u>ę ę</u>				¢	tate	
Climb I			lation									-	0.0	100				1001	120		Ctul				
	arth System	and the second second second second second				Company: WI Address: 5315	PX Energy Permia	n			WO	45	T	00L	Num	600	7	X	20	30	Sta				(
	Manager: Gil						Carlsbad, NM 882	220		57	1110	10	1	140	20.	000	1	K	<u> </u>	-	A	X			
			eno			Phone:	Carisbau, INIVI 664	220		6 11	-	100 101		A	husia	and	Mat	had	-	1, 19-110			EPA Pro		10-10-
	1910 Reso		00220				2							Ana	iysis	and	wiet	noa	· · · ·			SDWA		-	RCRA
	te, Zip: Carls		88220		1 1	Email: jim.raley		-												Sand	4	SDWA			ICRA
	832-541-77					WO: 21402114											5			82	P	<b>c</b>	1	Y OI	
Email:	gmoreno@e	eartnsys.r	net					-			by 8015									60		Complia PWSID		1 0	r N
2	Sample									by 8		021	60	0.00	Ŋ	XL	etals	n Pkg	E		PWSID	<i>t</i>			
		r	1	Sam	ple inform	lation		-	J		0	(ft)	oy 8(	y 82	de 3	-0	005	N 8	Anio	I			Rema	elie	
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field	Lal	b ber	DRO/ORO	Depth (ft)	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	Mush 2			Kenna	185	
8:30	11/4/2024	s	1			CS-1			1			1				х				x			Incider	nt #:	
8:40	11/4/2024	S	1			CS-2			2			1				х				x		n/	APP2425	330146	5
8:50	11/4/2024	S	1			CS-3			3			1				х				×					
9:00	11/4/2024	s	1			CS-4			4			1.5				х				×					
9:10	11/4/2024	S	1			CS-5			5	)		1.5				х				x					
9:20	11/4/2024	S	1			CS-6			10			1.5				х				×					
9:30	11/4/2024	S	1			CS-7		+	7			1.5				х				x					
9:40	11/4/2024	S	1			CS-8			8			1.5				x			-	Y					
									9					-					-	<u> </u>					
9:50	11/4/2024	S	1			CS-9		_	1			1.5				х				X					
10:00	11/4/2024	S	1			CS-10			10			1.5				Х				X					
Addition	nal Instructio	ons:																							
I, (field sam Sampled by		e validity and	d authenticity	of this samp	ole. I am awar	e that tampering with	n or intentionally mislabe	ling the s	ample lo	catior	n, date	or tim	e of c	ollectio	on is co	nsider	ed fra	ud and	d may l	be gro	unds fo	r legal act	on.		
Relinguisher by: (Signature) Date Time				Time 6:00	:00 PA Received by: (Senature) angales Date 11-4-24			ł	Time	Time 1,800				sample		ceived				st be receiv temp above					
Relinguished by (Signature) Under Gonzales II-5-24 III S Relinguished by (Signature) Date Time				Time	615 Jula H. 11.5.2				.24 Time 7.			ne n								Jse Only N					
Relinduighed by (Signature) Date Time					1.34	345 Received by Signature and Date 11:624 7:30 T1						T2 T3													

Date

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above

Time

AVG Temp °C\_

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

3

Received by: (Signature)

samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

ense. The report for the analysis of the above

Page \_\_\_\_\_ of \_\_\_\_

## **Chain of Custody**

Released to Imaging: 12/30/2024 8:36:29 AM

Relinquished by: (Signature)

Date

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Time

**Chain of Custody** 

-	2		
Page	6	of	°

Client	t Inform	ation	Invoice Information				La	ab Us	e Onl	ly	a frank s	70.5	whe	TA	T 3D Ste	State
lient: Earth Systems			Company: WPX Energy Permia	)	La	ab WO	#		Job N	lum	ber	-	1D	2D	3D Sto	MM CO UT TX
roject Name: RDU 40			Address: 5315 Buena Vista Dr	4	E	- 41	04	8	010	58.	ODC	1	X		X	- X
roject Manager: Gilbe		eno	City, State, Zip: Carlsbad, NM 88	20			and the second									
ddress: 1910 Resour		00220	Phone:			-	1		Anal	ysis	and	Met	nod			EPA Program
hone: 832-541-771		00220	Email: jim.raley@dvn.com WO: 21402114												45	SDWA CWA RCRA
mail: gmoreno@ea		et	WO. 21402114			5								į	22	Compliance Y or N
				1		8015				0.	-		s	ske	" "	PWSID #
			Sample Information			RO by	(t)	/ 802	8260	e 300	- NN	1-50	Meta	nion	ŧ	
Time Sampled Date Sampled	Matrix	No. of Containers	Sample ID	Field	Lab Numb	0	Depth (ft)	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	to day	Remarks
10:10 11/4/2024	S	1	CS-11		11		1.5				x				×	Incident #:
10:20 11/4/2024	S	1	CS-12		12		1.5				х				x	nAPP2425330146
10:30 11/4/2024	S	1	CS-13		13		1.5				x				X	
10:40 11/4/2024	S	1	CS-14		14		1				x				×	
10:50 11/4/2024	S	1	CS-15		15		1				x				×	
11:00 11/4/2024	S	1	CS-16		16		1				х				×	
11:10 11/4/2024	S	1	CS-17		17		1				х				X	
11:20 11/4/2024	S	1	CS-18		18		1				x				X	
11:30 11/4/2024	S	1	CS-19		19		1				х				X	
11:40 11/4/2024	S	1	CS-20		20		1				X				X	
dditional Instruction field sampler), attest to the v mpled by:GM		authenticity o	this sample. I am aware that tampering with or intentionally mislabe	ing the s	ample loca	ation, dat	e or tim	ne of co	ollection	n is co	nsidere	d frau	d and i	nay b	e grounds t	for legal action.
elinquished by: (Signature)		Date /1.4	24 G:00 PM Received by: (Signature)		-4-24		800	2		10		d or rec	eived pa		n ice at an av	nust be received on ice the day they are vg temp above 0 but less than 6 °C on
elinquished by: (Signature)		eg II-S Date	24 Time Received by: (Signature)	Date	5.21		71	30			Rece	ived	on ic	e:		Jse Only N
elinguished by: (Signature)			14 2345 Caith Man	Date	6.24	Time	30	۱ <u> </u>			<u>T1</u>			_	<u>T2</u>	<u>T3</u>
mple Matrix: S - Soil, Sd - Soli				5	itainer T				olu/nl		AVG				4	
	iu, sg - Slud	ige, A - Aqueor	is, <b>O</b> - Other	ICUN	n anner 1	VUC. E *	RIDSS	, p - p	Ula his	astic	, ag -	anno	" Bid:	ia, v -	VUA	

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Received by OCD: 12/5/2024 12:27:45 PM

**Chain of Custody** 

Page	3	of 3
0 -		

																er (	Gilb	State
	Clie	nt Inforn	nation	Invoice Information					Lab	Use (	Only			MA	T	AT		State
Client: E	arth System	s R & R		Company: WPX Energy Permian		La	ab W	0#		Jo	b Nur	nber	-	1D	2D	3D	Std	NM CO UT TX
	lame: RDU 4			Address: 5315 Buena Vista Dr				411048 01058					mber 1D 2 8.0007 X				X	X
Calification	Aanager: Gill		eno		City, State, Zip: Carlsbad, NM 88220							1				12.8		
	1910 Resou			Phone:						A	nalysi	s and	d Me	thod				EPA Program
	te, Zip: Carls		88220	Email: jim.raley@dvn.com	_	_										50		SDWA CWA RCRA
	832-541-77			WO: 21402114												San	200	
Email:	gmoreno@e	arthsys.r	net				1	CTOS								20	54	Compliance Y or N
				Sample Information			_	6	100	260	300.0	MN	¥1	fetals	on Pkg	1		PWSID #
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Lab Numbe	er d		Depth (It) RTEY hw 8021	VOC hv 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	Buch 24 H		Remarks
11:50	11/4/2024	S	1	CS-21		21			1			x				x		Incident #:
12:00	11/4/2024	S	1	CS-22		22			1			x				×	1	nAPP2425330146
12:10	11/4/2024	S	1	CS-23		23			1			x				X		
12:20	11/4/2024	S	1	CS-24		24			1			X				x		
12:30	11/4/2024	S	1	CS-25		25	•		1		_	X				×		
12:40	11/4/2024	S	1	CS-26		26			1	_	_	X				×		
12:50	11/4/2024	S	1	CS-27		21		:	1	_	_	X				X		
13:00	11/4/2024	S	1	CS-28		28		3	1	_	_	X				X		
13:10	11/4/2024	S	1	CS-29		29		-	1	_	_	X	-			×		
13:20	11/4/2024	S	1	CS-30		30		1	1			X				X		
l, (field sam Sampled by	GM	e validity and		of this sample. I am aware that tampering with or intentionally mislabeling		ple locat			time o	f collec	tion is c							
Kelinguism	ed bo (Signatur	-/		4.24 Time Horeived by (Signature) 4.24 6:00 PM Anelle Gonzales	Date	1-24	Tir		00							in ice a	it an avg	ust be received on ice the day they are g temp above 0 but less than 6 °C on
Relinquish	d by: (Signature	onzoi	Date Date Date	Time Received by: (Signature)		5.20	<b>4</b>	ne 12, ne	30	_		Rec	eive	d on i	ce:		D/N	se Only I
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	rix: S - Soil, Sd - So					iner Ty												the applysic of the above
				s are reported unless other arrangements are made. Hazardous sam ved by the laboratory with this COC. The liability of the laboratory is									client					
									(	3				(	e	r	11	virotec

Received by OCD: 12/5/2024 12:27:45 PM

## **Envirotech Analytical Laboratory**

## Sample Receipt Checklist (SRC)

	Earth Systems	Date Received:	11/06/24	07:30	Wor	k Order ID:	E411048
Phone: 8	332-541-7719	Date Logged In:	11/05/24	15:11	Log	ged In By:	Caitlin Mars
mail: g	gmoreno@earthsys.net	Due Date:	11/14/24	17:00 (6 day TAT)			
<u>Chain of C</u>	ustody (COC)						
. Does the	sample ID match the COC?		Yes				
2. Does the	number of samples per sampling site location r	natch the COC	Yes				
3. Were sam	ples dropped off by client or carrier?		Yes	Carrier: Cou	rier		
I. Was the C	COC complete, i.e., signatures, dates/times, req	ested analyses?	Yes				
١	samples received within holding time? Note: Analysis, such as pH which should be conducte .e, 15 minute hold time, are not included in this disuc		Yes	_		<u>Commen</u>	ts/Resolution
<u>Sample Tur</u>	r <u>n Around Time (TAT)</u>						
. Did the C	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample Co	oler						
	nple cooler received?		Yes				
•	as cooler received in good condition?		Yes				
. Was the s	ample(s) received intact, i.e., not broken?		Yes				
). Were cu	stody/security seals present?		No				
l. If yes, w	vere custody/security seals intact?		NA				
1	ample received on ice? If yes, the recorded temp is 4' Note: Thermal preservation is not required, if samples ninutes of sampling		Yes				
3. If no vis	ible ice, record the temperature. Actual samp	ole temperature: <u>4°</u>	<u>C</u>				
ample Co	ntainer						
4. Are aqu	eous VOC samples present?		No				
5. Are VO	C samples collected in VOA Vials?		NA				
. Is the he	ead space less than 6-8 mm (pea sized or less)?		NA				
7. Was a tr	ip blank (TB) included for VOC analyses?		NA				
8. Are non	-VOC samples collected in the correct contained	rs?	Yes				
I to the on	propriate volume/weight or number of sample con	ainers collected?	Yes				
9. Is the $ap_1$							
Field Label				1			
Field Label	eld sample labels filled out with the minimum in	nformation:					
ield Label 0. Were fie Sarr	eld sample labels filled out with the minimum in ple ID?	nformation:	Yes				
Field Label 0. Were fie Sam Date	eld sample labels filled out with the minimum in pple ID? e/Time Collected?	nformation:	Yes				
ield Label 0. Were fie Sam Date Coll	eld sample labels filled out with the minimum in ple ID? e/Time Collected? lectors name?	nformation:					
ield Label 0. Were fie Sam Data Coll ample Pre	eld sample labels filled out with the minimum in ple ID? e/Time Collected? lectors name? <u>eservation</u>		Yes				
ield Label 0. Were fie Sam Date Coll ample Pre 1. Does the	eld sample labels filled out with the minimum in nple ID? e/Time Collected? lectors name? <u>eservation</u> e COC or field labels indicate the samples were		Yes Yes				
ield Label 0. Were fie Sam Date Coll <b>ample Pre</b> 1. Does the 2. Are sam	eld sample labels filled out with the minimum in ple ID? e/Time Collected? lectors name? servation	preserved?	Yes Yes No				
ield Label 0. Were fie Sarr Dat Coll ample Pre 1. Does the 2. Are sam 4. Is lab fil	eld sample labels filled out with the minimum in nple ID? e/Time Collected? lectors name? <u>eservation</u> e COC or field labels indicate the samples were uple(s) correctly preserved?	preserved?	Yes Yes No NA				
ield Label 0. Were fie Sam Date Coll ample Pre 1. Does the 2. Are sam 4. Is lab fil Iultiphase	eld sample labels filled out with the minimum in pple ID? e/Time Collected? lectors name? eservation e COC or field labels indicate the samples were uple(s) correctly preserved? lteration required and/or requested for dissolved	preserved? I metals?	Yes Yes No NA				
ield Label 0. Were fie Sam Date Coll ample Pre 1. Does the 2. Are sam 4. Is lab fil Iultiphase 6. Does the	eld sample labels filled out with the minimum in taple ID? e/Time Collected? lectors name? eservation e COC or field labels indicate the samples were uple(s) correctly preserved? lteration required and/or requested for dissolved sample Matrix	preserved? I metals? hase?	Yes Yes No NA No				
ield Label O. Were fie Sam Date Colj ample Pre 1. Does the 2. Are sam 4. Is lab fil Iultiphase 6. Does the 7. If yes, d	eld sample labels filled out with the minimum in taple ID? e/Time Collected? lectors name? eservation e COC or field labels indicate the samples were uple(s) correctly preserved? lteration required and/or requested for dissolved e sample Matrix e sample have more than one phase, i.e., multip	preserved? I metals? hase?	Yes Yes No No No				
ield Label O. Were fie Sam Date Coll ample Pre 1. Does the 2. Are sam 4. Is lab fil fultiphase 6. Does the 7. If yes, d	eld sample labels filled out with the minimum in pple ID? e/Time Collected? lectors name? <u>servation</u> e COC or field labels indicate the samples were uple(s) correctly preserved? lteration required and/or requested for dissolved <u>Sample Matrix</u> e sample have more than one phase, i.e., multip oes the COC specify which phase(s) is to be an	preserved?   metals? hase? alyzed?	Yes Yes No No No				

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



•





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Earth Systems

Project Name: RDU 40

Work Order: E411055

Job Number: 01058-0007

Received: 11/6/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/12/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 11/12/24

Gilbert Moreno 1910 Resource Ct Carlsbad, NM 88220

Project Name: RDU 40 Workorder: E411055 Date Received: 11/6/2024 7:30:00AM

Gilbert Moreno,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/6/2024 7:30:00AM, under the Project Name: RDU 40.

The analytical test results summarized in this report with the Project Name: RDU 40 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

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Michelle Gonzales Client Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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## Sample Summary

## Page 175 of 194

		Sample Sum	mai y		
Earth Systems		Project Name:	RDU 40		Reported:
1910 Resource Ct		Project Number:	01058-0007		Reporteu.
Carlsbad NM, 88220		Project Manager:	Gilbert Moreno		11/12/24 09:33
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-1 0-1.5'	E411055-01A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
SW-2 0-1.5'	E411055-02A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
SW-3 0-1.5'	E411055-03A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.
SW-4 0-1.5'	E411055-04A	Soil	11/04/24	11/06/24	Glass Jar, 2 oz.



	5	ampic D	ata			
Earth Systems	Project Name:		J 40			D ( )
1910 Resource Ct	Project Number		58-0007			<b>Reported:</b> 11/12/2024 9:33:14AM
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moreno			11/12/2024 9:33:14AN
	S	SW-1 0-1.5'				
		E411055-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analy	st: BA		Batch: 2445076
Benzene	ND	0.0250	1	11/06/24	11/09/24	
thylbenzene	ND	0.0250	1	11/06/24	11/09/24	
oluene	ND	0.0250	1	11/06/24	11/09/24	
-Xylene	ND	0.0250	1	11/06/24	11/09/24	
,m-Xylene	ND	0.0500	1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250	1	11/06/24	11/09/24	
urrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2445076
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/09/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	11/06/24	11/09/24	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2445100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Dil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
urrogate: n-Nonane		121 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2445086
Chloride	179	20.0	1	11/06/24	11/07/24	

# Sample Data

	52	ample D	ala			
Earth Systems	Project Name:	RDU	J 40			
1910 Resource Ct	Project Numbe	er: 010	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	er: Gilb	ert Moreno			11/12/2024 9:33:14AM
	5	SW-2 0-1.5'				
		E411055-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2445076
Benzene	ND	0.0250	1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/06/24	11/09/24	
Toluene	ND	0.0250	1	11/06/24	11/09/24	
p-Xylene	ND	0.0250	1	11/06/24	11/09/24	
o,m-Xylene	ND	0.0500	1	11/06/24	11/09/24	
Fotal Xylenes	ND	0.0250	1	11/06/24	11/09/24	
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2445076
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2445100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Dil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
Surrogate: n-Nonane		115 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2445086
Chloride	168	20.0	1	11/06/24	11/07/24	



	Da	ample D	ata			
Earth Systems	Project Name:	RDU	J 40			
1910 Resource Ct	Project Numbe	er: 0105	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Gilb	ert Moreno			11/12/2024 9:33:14AM
	Ś	SW-3 0-1.5'				
		E411055-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: BA		Batch: 2445076
Benzene	ND	0.0250	1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250	1	11/06/24	11/09/24	
oluene	ND	0.0250	1	11/06/24	11/09/24	
-Xylene	ND	0.0250	1	11/06/24	11/09/24	
,m-Xylene	ND	0.0500	1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250	1	11/06/24	11/09/24	
urrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: BA		Batch: 2445076
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/06/24	11/09/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2445100
Diesel Range Organics (C10-C28)	ND	25.0	1	11/07/24	11/08/24	
Dil Range Organics (C28-C36)	ND	50.0	1	11/07/24	11/08/24	
urrogate: n-Nonane		117 %	50-200	11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: WF		Batch: 2445086
Chloride	261	20.0	1	11/06/24	11/07/24	

	S	ample D	ata				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 010	U 40 58-0007 pert Moreno	)			<b>Reported:</b> 11/12/2024 9:33:14AM
		SW-4 0-1.5'					
		E411055-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst	: BA		Batch: 2445076
Benzene	ND	0.0250		1	11/06/24	11/09/24	
Ethylbenzene	ND	0.0250		1	11/06/24	11/09/24	
Toluene	ND	0.0250		1	11/06/24	11/09/24	
o-Xylene	ND	0.0250		1	11/06/24	11/09/24	
p,m-Xylene	ND	0.0500		1	11/06/24	11/09/24	
Total Xylenes	ND	0.0250		1	11/06/24	11/09/24	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2445076
Gasoline Range Organics (C6-C10)	ND	20.0		1	11/06/24	11/09/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130		11/06/24	11/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2445100
Diesel Range Organics (C10-C28)	ND	25.0		1	11/07/24	11/08/24	
Oil Range Organics (C28-C36)	ND	50.0		1	11/07/24	11/08/24	
Surrogate: n-Nonane		123 %	50-200		11/07/24	11/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2445086
Chloride	254	20.0		1	11/06/24	11/07/24	



# **OC Summary Data**

		QC D	u 1111110	ii y Data	ŀ				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	DU 40 1058-0007 ilbert Moreno					<b>Reported:</b> 11/12/2024 9:33:14AM
		Volatile O	rganics <b>k</b>	oy EPA 8021	B				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 (2445076-BLK1)							Prepared: 1	1/06/24 A	analyzed: 11/09/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.7	70-130			
LCS (2445076-BS1)							Prepared: 1	1/06/24 A	analyzed: 11/09/24
Benzene	5.84	0.0250	5.00		117	70-130			
Ethylbenzene	5.61	0.0250	5.00		112	70-130			
Toluene	5.75	0.0250	5.00		115	70-130			
o-Xylene	5.63	0.0250	5.00		113	70-130			
p,m-Xylene	11.4	0.0500	10.0		114	70-130			
Total Xylenes	17.0	0.0250	15.0		113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.3	70-130			
LCS Dup (2445076-BSD1)							Prepared: 1	1/06/24 A	analyzed: 11/09/24
Benzene	5.00	0.0250	5.00		100	70-130	15.5	20	
Ethylbenzene	4.80	0.0250	5.00		96.0	70-130	15.6	20	
Toluene	4.92	0.0250	5.00		98.4	70-130	15.6	20	
p-Xylene	4.82	0.0250	5.00		96.3	70-130	15.5	20	
p,m-Xylene	9.77	0.0500	10.0		97.7	70-130	15.3	20	
Total Xylenes	14.6	0.0250	15.0		97.2	70-130	15.4	20	
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.2	70-130			


# **QC Summary Data**

		<b>Y Y Y</b>			•				
Earth Systems		Project Name:	R	DU 40					Reported:
1910 Resource Ct		Project Number	: 0	1058-0007					-
Carlsbad NM, 88220		Project Manage	r: G	ilbert Moreno					11/12/2024 9:33:14AM
	No	onhalogenated	Organics	by EPA 801	1 <b>5D - G</b>	RO			Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445076-BLK1)							Prepared: 1	1/06/24 A	nalyzed: 11/09/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			
LCS (2445076-BS2)							Prepared: 1	1/06/24 A	nalyzed: 11/09/24
Gasoline Range Organics (C6-C10)	40.7	20.0	50.0		81.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			
LCS Dup (2445076-BSD2)							Prepared: 1	1/06/24 A	nalyzed: 11/09/24
Gasoline Range Organics (C6-C10)	39.2	20.0	50.0		78.4	70-130	3.78	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			



.

# **QC Summary Data**

		$\mathbf{x} \mathbf{v} \mathbf{v}$			•				
Earth Systems		Project Name:	RI	OU 40					Reported:
1910 Resource Ct		Project Number	: 01	058-0007					
Carlsbad NM, 88220		Project Manager	r: Gi	lbert Moreno				1	1/12/2024 9:33:14AM
	Nonha	logenated Or	ganics by	EPA 8015D	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2445100-BLK1)							Prepared: 1	1/07/24 An	alyzed: 11/07/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.0		50.0		112	50-200			
LCS (2445100-BS1)							Prepared: 1	1/07/24 An	alyzed: 11/07/24
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	56.4		50.0		113	50-200			
							Prenared 1	1/07/24 1	
LCS Dup (2445100-BSD1)							Tropured. T	1/0//24 All	alyzed: 11/07/24
LCS Dup (2445100-BSD1) Diesel Range Organics (C10-C28)	278	25.0	250		111	38-132	2.01	20	alyzed: 11/07/24



.

# **QC Summary Data**

		$\mathbf{x} \in \mathbf{v}$	••••••		•				
Earth Systems 1910 Resource Ct Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	C	RDU 40 91058-0007 Gilbert Moreno					<b>Reported:</b> 11/12/2024 9:33:14A
		Anions	by EPA	300.0/9056A	<b>`</b>				Analyst: WF
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	
Blank (2445086-BLK1)							Prepared: 1	1/06/24	Analyzed: 11/06/24
Chloride LCS (2445086-BS1)	ND	20.0					Prepared: 1	1/06/24	Analyzed: 11/06/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2445086-MS1)				Source:	E411051-(	)6	Prepared: 1	1/06/24	Analyzed: 11/07/24
Chloride	272	20.0	250	ND	109	80-120			
Matrix Spike Dup (2445086-MSD1)				Source:	E411051-(	)6	Prepared: 1	1/06/24	Analyzed: 11/07/24
Chloride	271	20.0	250	ND	109	80-120	0.0873	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.



Earth Systems	Project Name:	RDU 40	
1910 Resource Ct	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/12/24 09:33

rting limit

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

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

						(	Lhain of	Custo	ay										C	w	Gill	NM		Ра	age
	Clie	nt Inforn	nation			Invoice Info	rmation					Lat	Use	e On	lv			J.	5	AT		1989	Stat	e	
Client: E	arth System	s R & R	-		Com	pany: WPX Energy	Permian		1=	ah M	VO#				Num	ber		10	20		Std	NM	COUT		-
Project N	Name: RDU 4	10			Add	ress: 5315 Buena Vi			F	4	110	055		DIN	58	00	7	X		100	X	X	00 01		
Project N	Manager: Gill	bert Mor	eno		City	State, Zip: Carlsbad	, NM 8822	0		(index)										(non) say	14		E	01-01	
	1910 Resou				Pho	ne:				Г			-	Ana	lysis	and	Met	hod				EF	A Progra	am	
City, Stat	te, Zip: Carls	bad NM,	88220		Ema	il: jim.raley@dvn.co	m			T	T									Γ		SDWA	CWA	RC	RA
Phone:	832-541-77	19			WO	21402114														16					
Email:	gmoreno@e	arthsys.r	net		21						2		1							Sel.	4	Complian	ce Y	or	N
											/ 80:				0.0	_	×	als	akg.	A	2.5	PWSID #			
				Sample Ini	formatic	in					ko bi	Ŧ	802	8260	\$ 300	- NN	12 - T	Meta	nion I	Tan	ĭ I				
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field Filter Z	Lab lumbe	er	DRO/ORO by 8015	Depth (ft)	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	Rush-24			Remarks	l,	
13:30	11/4/2024	S	1			SW-1			1			0-1.5				Х				×		1	ncident #	ł:	
13:30	11/4/2024	S	1			SW-2			2			0-1.5				х				×		nAP	P2425330	0146	
13:40	11/4/2024	S	1			SW-3	3		3		1	0-1.5				х				×					
13:50	11/4/2024	S	1			SW-4			4			0-1.5				х				×					
					_	4					_		_												
												-	-												
	cla	if																							
	X							141																	
×							-1																		
Addition	al Instructio	ns:					-2:51																		
ampled by:	GM		authenticity (	of this sample. I am	aware that	tampering with or intention	ally mislabeling	the samp	le locat	tion, (	date c	or time	of col	lectio	n is coi	nsider	ed frau	ıd and	may t	oe groi	unds fo	r legal action	0		
G	ed by)(Signatur		Date <b>//.4</b>		Do parl	Received by: (Signature)	nzales		-24	L Ti	ime	86c				sample		eived p				at be received of temp above 0		C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.	
Wike	ed by: (Signatur Actic G ed by: (Signatur	onzal	Date	5.24 Time Time	IS I	Received by: (Signature)		Date 11.5			17	73	0			Rece	ived	on i	ce:		) N	e Only			
Lada	N.		a service corres.	5.24 2.	343	Received by (Signature)	an	Date 11.0	24	_	1:	30				<u>T1</u>				<u>T2</u>			<u>T3</u>		
	ed by: (Signatur rix: S - Soil, Sd - S		dae A Asura			Received by: (Signature)		Date Contair	or Tu		ime	acc		lu/n	astic	AVG	Tem	p °C	<	1	<u> </u>				
ample Mat	n. a - 501, 30 - 5	ond, ag - Siu	use, A - Adnec	us, U - Other				Contail	ier ry	pe.	5-6	1035, þ	- 40	way bi	asul,	ag -	annoe	a Rig	55, V	- 001	~				

**Chain of Custody** 

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

B



Received by OCD: 12/5/2024 12:27:45 PM

Page \_\_\_\_\_ of \_\_\_

N

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

	Earth Systems D	ate Received:	11/06/24 0	7:30	Work Order ID:	E411055
Phone:	832-541-7719 D	ate Logged In:	11/06/24 1	0:26	Logged In By:	Noe Soto
Email:		ue Date:	11/14/24 1	7:00 (6 day TAT)		
Chain of	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, requested	d analyses?	Yes			
5. Were a	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.	e field,	Yes		Commen	<u>ts/Resolution</u>
Sample '	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re		Yes			
13 Ifno	minutes of sampling visible ice, record the temperature. Actual sample temperature	mperature: 1º	c			
		inperature. <u>+ -</u>	<u> </u>			
	Container aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		No NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
18 Are r	appropriate volume/weight or number of sample containers	s collected?	Yes			
		s concettea.	105			
19. Is the						
19. Is the <u>Field La</u>	<u>bel</u>	nation:				
19. Is the <u>Field La</u> 20. Were		nation:	Yes			
19. Is the Field La 20. Were S	bel field sample labels filled out with the minimum inform	nation:	Yes Yes			
19. Is the <u>Field La</u> 20. Were S I	bel	nation:				
19. Is the Field La 20. Were S I C Sample J	bel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation		Yes No			
19. Is the Field La 20. Were S I C Sample J 21. Does	bel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese		Yes No No			
19. Is the Field La 20. Were S C Sample J 21. Does 22. Are s	bel   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 prese   sample(s) correctly preserved?	erved?	Yes No No NA			
19. Is the Field La 20. Were S C Sample 1 21. Does 22. Are s 24. Is lab	bel field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> a the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved met	erved?	Yes No No			
19. Is the Field La 20. Were S C Sample 1 21. Does 22. Are s 24. Is lab Multipha	bel   e field sample labels filled out with the minimum inform   Sample ID?   Date/Time Collected?   Collectors name?   Preservation   e the COC or field labels indicate the samples were preses   sample(s) correctly preserved?   o filteration required and/or requested for dissolved meta   ase Sample Matrix	erved? als?	Yes No No NA			
19. Is the Field La 20. Were S C Sample 1 21. Does 22. Are s 24. Is lab Multiphi 26. Does	bel   e field sample labels filled out with the minimum inform   Sample ID?   Date/Time Collected?   Collectors name?   Preservation   a the COC or field labels indicate the samples were prese   sample(s) correctly preserved?   o filteration required and/or requested for dissolved meta   ase Sample Matrix   s the sample have more than one phase, i.e., multiphase?	erved? als?	Yes No No NA			
19. Is the Field La 20. Were S C Sample 1 21. Does 22. Are s 24. Is lab Multiphi 26. Does	bel   e field sample labels filled out with the minimum inform   Sample ID?   Date/Time Collected?   Collectors name?   Preservation   e the COC or field labels indicate the samples were preses   sample(s) correctly preserved?   o filteration required and/or requested for dissolved meta   ase Sample Matrix	erved? als?	Yes No NA No			
19. Is the Field La 20. Were S I C Sample J 21. Does 22. Are s 24. Is lab Multiphi 26. Does 27. If yes Subcont	bel   e field sample labels filled out with the minimum inform   Sample ID?   Date/Time Collected?   Collectors name?   Preservation   e the COC or field labels indicate the samples were presesample(s) correctly preserved?   o filteration required and/or requested for dissolved meta   ase Sample Matrix   s the sample have more than one phase, i.e., multiphase?   s, does the COC specify which phase(s) is to be analyze   ract Laboratory	erved? als? d?	Yes No NA No No NA			
19. Is the Field La 20. Were S C Sample J 21. Does 22. Are s 24. Is lab Multiphe 26. Does 27. If yes Subcont 28. Are s	bel   e field sample labels filled out with the minimum inform   Sample ID?   Date/Time Collected?   Collectors name?   Preservation   e the COC or field labels indicate the samples were preses   sample(s) correctly preserved?   o filteration required and/or requested for dissolved meta   ase Sample Matrix   s the sample have more than one phase, i.e., multiphase?   s, does the COC specify which phase(s) is to be analyze	erved? als? , d?	Yes No NA No No			

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



envirotech Inc.

-

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

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QUESTIONS

Action 409042

QUESTIONS								
Operator:	OGRID:							
WPX Energy Permian, LLC	246289							
Devon Energy - Regulatory	Action Number:							
Oklahoma City, OK 73102	409042							
	Action Type:							
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)							

#### QUESTIONS

Prerequisites							
Incident ID (n#)	nAPP2425330146						
Incident Name	NAPP2425330146 ROSS DRAW UNIT #040 @ 30-015-42297						
Incident Type	Produced Water Release						
Incident Status	Remediation Closure Report Received						
Incident Well	[30-015-42297] ROSS DRAW UNIT #040						
	<u></u>						

#### Location of Release Source

Please	answer	all t	the	questions	in	this	group.	

Site Name	ROSS DRAW UNIT #040
Date Release Discovered	09/04/2024
Surface Owner	Federal

#### Incident Details

Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

#### Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Cause: Corrosion   Flow Line - Production   Crude Oil   Released: 1 BBL   Recovered: 1 BBL   Lost: 0 BBL.	
Produced Water Released (bbls) Details	Cause: Corrosion   Flow Line - Production   Produced Water   Released: 10 BBL   Recovered: 9 BBL   Lost: 1 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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

QUESTIONS, Page 2

Action 409042

QUESTIONS	(continued)
QUESTIONS	(continuea)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	409042
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 12/05/2024

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

**QUESTIONS** (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	409042
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Νο

#### Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	sociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	25000	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	24088	
GRO+DRO (EPA SW-846 Method 8015M)	7660	
BTEX (EPA SW-846 Method 8021B or 8260B)	12.8	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed effective which includes the anticipated timelines for beginning and completing the remediation.	orts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence	10/30/2024	
On what date will (or did) the final sampling or liner inspection occur	11/04/2024	
On what date will (or was) the remediation complete(d)	11/04/2024	
What is the estimated surface area (in square feet) that will be reclaimed	4224	
What is the estimated volume (in cubic yards) that will be reclaimed	630	
What is the estimated surface area (in square feet) that will be remediated	5934	
What is the estimated volume (in cubic yards) that will be remediated	494	
These estimated dates and measurements are recognized to be the best guess or calculation at the tim	ne of submission and may (be) change(d) over time as more remediation efforts are completed.	

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

QUESTIONS, Page 3

Action 409042

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

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QUESTIONS, Page 4

Action 409042

QUESTIONS (continued)	
Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	409042
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Remediation Plan (continued)

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: iim raley@dvn.com

Email: jim.raley@dvn.com Date: 12/05/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 5

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Action 409042

QUESTIONS	(continued)
QUESTIONS	(conunuea)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	409042
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTION	S
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Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο

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

QUESTIONS, Page 6

Action 409042

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**QUESTIONS** (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	409042
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	396940
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/04/2024
What was the (estimated) number of samples that were to be gathered	34
What was the sampling surface area in square feet	5934

#### **Remediation Closure Request**

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	5934	
What was the total volume (cubic yards) remediated	494	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	0	
What was the total volume (in cubic yards) reclaimed	0	
Summarize any additional remediation activities not included by answers (above)	The Site was remediated according to Site Closure Criteria and has been backfilled with clean, locally sourced material.	
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of	
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or tially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ing notification to the OCD when reclamation and re-vegetation are complete.	
I harabu agree and sign off to the above statement	Name: James Raley Title: EHS Professional	

	Name: James Raley
I hereby agree and sign off to the above statement	Title: EHS Professional
Thereby agree and sign on to the above statement	Email: jim.raley@dvn.com
	Date: 12/05/2024

General Information Phone: (505) 629-6116

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

QUESTIONS (continued)

	Operator:	OGRID:
	WPX Energy Permian, LLC	246289
	Devon Energy - Regulatory	Action Number:
	Oklahoma City, OK 73102	409042
		Action Type:
		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
(	QUESTIONS	

#### QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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Action 409042

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Released to Imaging: 12/30/2024 8:36:29 AM

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

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	409042
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### CONDITIONS

Created By Condition scwells None CONDITIONS

Action 409042

Condition Date

12/30/2024