ico <u>Page 1 of 184</u>
Incident ID NRM2014352847

Incident ID	NRM2014352847
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

Received by OCD: 11/8/2022 9:41:35 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

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Page	- 2	n	184
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I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Dale Woodall	Title: EHS Professional
Signature: Dals Woodall	Date:11/8/2022
email:dale.woodall@dvn.com	Telephone: 405-318-4697
OCD Only	
Received by: Jocelyn Harimon	Date:11/08/2022

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Incident ID NRM2014352847
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Closure

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

Closure Report Attachment Checklist: Each of the following in	toms must be included in the closure venout
Closure report Attachment Checkist: Each of the following the	ems must be included in the closure report.
🗓 A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
X Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
■ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
email:dale.woodall@dvn.com	Telephone: 405-318-4697
OCD Only	
Received by:	Date:11/08/2022
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Ashley Maxwell	Date: 2/03/2023
Printed Name: Ashley Maxwell	Title: Environmental Specialist



Pima Environmental Services 5614 N. Lovington Highway Hobbs, NM 88240 575-964-7740

November 7, 2022

Bureau of Land Management 620 East Green Street Carlsbad, NM 88220

NMOCD District 2 811 S. First Street Artesia, NM 88210

Re: Site Assessment, Remediation, and Closure Report

North Thistle 3 CTB 1

API No. N/A

GPS: Latitude 32.329836 Longitude -103.554195

UL P, Sec. 3, T23S, R33E

Lea County, NM

NMOCD Ref. No. NRM2014352847

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production, LLC. (Devon) to perform a spill assessment, remediation, and submit this closure report for a Crude Oil release that occurred at the North Thistle 3 CTB 1 (Thistle). The initial C-141 was submitted on January 8, 2020 (Appendix C). This incident was assigned Incident ID NRM2014352847 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Thistle is located approximately twenty-five (25) miles west of Eunice, NM. This spill site is in Unit P, Section 3, Township 23S, Range 33E, Latitude 32.329836 Longitude -103.554195, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Kermit-Palomas fine sands, 0 to 12 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well drained. There is a low potential for karst geology to be present around the Thistle (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 330 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 325 feet BGS. The closest waterway Playa located approximately 8 miles to the Northwest of this location. See Appendix A for referenced water surveys.

	Table :	1 NMAC and Closure Cr	iteria 19.15.29		
Depth to Groundwater		Cons	tituent & Limits		
(Appendix A)	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (High Karst)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100′	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Release Information

<u>NRM2014352847:</u> On December 9, 2019, the water dumped washed out and developed a leak causing fluid. The released fluids were calculated to be approximately 213.29 barrels (bbls) of Crude Oil. A vacuum truck was able to recover approximately 170 bbls of total fluid from the impacted area.

Site Assessment and Soil Sampling Results

On April 21, 2020, and August 8, 2020, SESI mobilized personnel to the site to assess the area. SESI sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

4-21-22 & 8-18-20 Soil Sample Results

		AH-1 @ 2'	AH-1 @ 3'	
Analyte	Method	4/21/20	8/18/20	
	1	mg/kg	mg/kg	
Chloride	SM4500CI-B	ND	ND	
DRO	TPH 8015M	590	ND	
MRO	TPH 8015M	230	ND	
GRO	TPH 8015M	8.4	ND	
Benzene	BTEX 8021B	N/A	ND	
Toluene	BTEX 8021B	N/A	ND	
Ethylbenzene	BTEX 8021B	N/A	ND	
Total Xylenes	BTEX 8021B	N/A	ND	

		AH-2 @ SURFACE	AH-2 @ 1'	AH-2 @ 2
Analyte	Method	8/18/20	8/18/20	4/21/20
		mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B	420	350	ND
DRO	TPH 8015M	7400	4500	ND
MRO	TPH 8015M	4000	1800	ND
GRO	TPH 8015M	280	690	ND
Benzene	BTEX 8021B	ND	ND	N/A
Toluene	BTEX 8021B	4.1	6.2	N/A
Ethylbenzene	BTEX 8021B	6	14	N/A
Total Xylenes	BTEX 8021B	26	69	N/A
		AH-3 @ 2'		AH-3 @ 3'
Analyte	Method	4/21/20		8/18/20
		mg/kg		mg/kg
Chloride	SM4500CI-B	ND		ND
DRO	TPH 8015M	90		ND
MRO	TPH 8015M	51		ND
GRO	TPH 8015M	ND		ND
Benzene	BTEX 8021B	N/A		ND
Toluene	BTEX 8021B	N/A		ND
Ethylbenzene	BTEX 8021B	N/A		ND
Total Xylenes	BTEX 8021B	N/A		ND

		AH-4 @ 2'	AH-4 @ 3'
Analyte	Method	4/21/20	8/18/20
		mg/kg	mg/kg
Chloride	SM4500CI-B	1900	ND
DRO	TPH 8015M	ND	ND
MRO	TPH 8015M	ND	ND
GRO	TPH 8015M	ND	ND
Benzene	BTEX 8021B	N/A	ND
Toluene	BTEX 8021B	N/A	ND
Ethylbenzene	BTEX 8021B	N/A	ND
Total Xylenes	BTEX 8021B	N/A	ND
		AH-5 @	 1111222

		AH-5 @ SURFACE	AH-5@1'	AH-5 @ 2'
Analyte	Method	8/18/20	B/18/20	4/21/20
		mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B	2500	1400	ND
DRO	TPH 8015M	7100	2900	ND
MRO	TPH 8015M	5600	1700	ND
GRO	TPH 8015M	64	30	ND
Benzene	BTEX 8021B	ND	ND	N/A
Toluene	BTEX 8021B	0.32	ND	N/A
Ethylbenzene	BTEX 8021B	0.67	0.18	N/A
Total Xylenes	BTEX 8021B	1.8	0.81	N/A

		AH-6 @ 2'	AH-6 @ 3'	
Analyte	Method	4/21/20	8/18/20	
		mg/kg	mg/kg	
Chloride	SM4500CI-B	ND	ND	
DRO	TPH 8015M	500	ND	
MRO	TPH 8015M	220	ND	
GRO	TPH 8015M	ND	ND	
Benzene	BTEX 8021B	N/A	ND	
Toluene	BTEX 8021B	N/A	ND	
Ethylbenzene	BTEX 8021B	N/A	ND	
Total Xylenes	BTEX 8021B	N/A	ND	

		AH-7 @ SURFACE	AH-7 @ 1'	AH-7 @ 2'	
Analyte	Method	8/18/20	8/18/20	4/21/20	
		mg/kg	mg/kg	mg/kg	
Chloride	SM4500CI-B	7100	410	ND	
DRO	TPH 8015M	15000	7000	ND	
MRO	TPH 8015M	14000	2900	ND	
GRO	TPH 8015M	36	330	ND	
Benzene	BTEX 8021B	ND	ND	N/A	
Toluene	BTEX 8021B	0.089	0.36	N/A	
Ethylbenzene	BTEX 8021B	0.59	3.8	N/A	
Total Xylenes	BTEX 8021B	3.7	28	N/A	

		AH-8 @ SURFACE	AH-8 @ 1'	AH-8 @ 2'
Analyte	Method	8/18/20	8/18/20	4/21/20
		mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B	2100	200	ND
DRO	TPH 8015M	15000	8600	ND
MRO	TPH 8015M	12000	3800	ND
GRO	TPH 8015M	100	790	ND
Benzene	BTEX 8021B	ND	ND	N/A
Toluene	BTEX 8021B	0.25	0.95	N/A
Ethylbenzene	BTEX 8021B	1.5	9.7	N/A
Total Xylenes	BTEX 8021B	9.7	66	N/A

		AH-9 @ SURFACE	AH-9 @ 1'	AH-9 @ 2
Analyte	Method	8/18/20	8/18/20	4/21/20
		mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B	2000	ND	ND
DRO	TPH 8015M	12000	470	52
MRO	TPH 8015M	6800	240	ND
GRO	TPH 8015M	66	ND	ND
Benzene	BTEX 8021B	ND	ND	N/A
Toluene	BTEX 8021B	ND	ND	N/A
Ethylbenzene	BTEX 8021B	0.39	ND	N/A
Total Xylenes	BTEX 8021B	4.2	ND	N/A

		AH-10 @ SURFACE	AH-10 @ 1'	AH-10 @ 2'
Analyte	Method	8/18/20	8/18/20	4/21/20
to the highest discount of		mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B	8700	2000	ND
DRO	TPH 8015M	9000	730	ND
MRO	TPH 8015M	8600	400	ND
GRO	TPH 8015M	10	ND	ND
Benzene	BTEX 8021B	ND	ND	N/A
Toluene	BTEX 8021B	ND	ND	N/A
Ethylbenzene	BTEX 8021B	ND	ND	N/A
Total Xylenes	BTEX 8021B	0.58	0.12	N/A
		AH-11 @ SURFACE	AH-11 @ 1'	AH-11 @ 2
Analyte	Method	8/18/20	8/18/20	4/21/20
		mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B	2500	73	ND
DRO	TPH 8015M	8600	400	ND
MRO	TPH 8015M	6200	180	ND
GRO	TPH 8015M	13	ND	ND
Benzene	BTEX 8021B	ND	ND	N/A
Toluene	BTEX 8021B	ND	ND	N/A
Ethylbenzene	BTEX 8021B	ND	ND	N/A
Total Xylenes	BTEX 8021B	0.42	ND	N/A

		AH-12 @ 2'	AH-12 @ 3'
Analyte	Method	4/21/20	8/18/20
		mg/kg	mg/kg
Chloride	SM4500CI-B	ND	ND
DRO	TPH 8015M	120	ND
MRO	TPH 8015M	61	ND
GRO	TPH 8015M	ND	ND
Benzene	BTEX 8021B	N/A	ND
Toluene	BTEX 8021B	N/A	ND
Ethylbenzene	BTEX 8021B	N/A	ND
Total Xylenes	BTEX 8021B	N/A	ND

Horizontal		AH13 SURFACE EAST	AH-13 @ 1' EAST	H-13, EAST + 2FT E
Analyte	Method	5/1/20	5/1/20	8/18/20
		mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B	ND	N/A	ND
DRO	TPH 8015M	220	ND	ND
MRO	TPH 8015M	210	ND	ND
GRO	TPH 8015M	ND	ND	ND
Benzene	BTEX 8021B	N/A	N/A	ND
Toluene	BTEX 8021B	N/A	N/A	ND
Ethylbenzene	BTEX 8021B	N/A	N/A	ND
Total Xylenes	BTEX 8021B	N/A	N/A	ND

ND- Analyte Not Detected

Remediation Activities

On September 30, 2022, Devon Construction Department mobilized personnel and equipment to conduct remedial activities. They excavated the area to various depths. Pima personnel collected samples to verify all contaminated soil had been removed. The contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On September 30, 2022, after sending a 48-hour notification (Appendix C), Pima collected confirmation samples of the excavated areas. Laboratory results of this sampling event can be found in the following data table. A Confirmation Sample Map can be found in Figure 5.

9-30-22 Confirmation Sample Results

9-30-22 CONTIFMATION SAMPIE RESUITS NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <100')											
NM	DEVON ENERGY -NORTH THISTLE 3 CTB 1										
Sample Date	• 0/30/22	DEVC			oved Labor		ılte				
Sample Date		DTEV		GRO	DRO	MRO		CI			
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	mg/kg	mg/kg	mg/kg	Total TPH mg/kg	mg/kg			
CSW 1	2'	ND	ND	ND	ND	ND		ND			
CSW 1	2'	ND	ND ND	ND ND	ND ND	ND	0	ND ND			
CSW 2	2'	ND	ND	ND	ND ND	ND	0	ND			
CSW 4	2'	ND	ND	ND	ND	ND	0	ND			
CSW 5	2'	ND	ND	ND	ND	ND	0	ND			
CSW 6	2'	ND	ND	ND	ND	ND	0	ND			
CSW 7	2'	ND	ND	ND	ND	ND	0	ND			
CSW 8	2'	ND	ND	ND	ND	ND	0	ND			
CSW 9	2'	ND	ND	ND	ND	ND	0	ND			
CSW 10	2'	ND	ND	ND	ND	ND	0	ND			
CSW 11	2'	ND	ND	ND	ND	ND	0	ND			
CSW 12	2'	ND	ND	ND	ND	ND	0	ND			
CSW 13	2'	ND	ND	ND	ND	ND	0	ND			
CSW 14	2'	ND	ND	ND	ND	ND	0	ND			
CSW 15 CSW 16	2'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND ND			
CSW 16 CSW 17	2'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND ND			
CSW 17	2'	ND	ND ND	ND	ND ND	ND	0	ND ND			
CSW 19	2'	ND	ND	ND	ND	ND	0	ND			
CSW 20	2'	ND	ND	ND	ND	ND	0	ND			
CSW 21	2'	ND	ND	ND	ND	ND	0	ND			
CSW 22	2'	ND	ND	ND	ND	ND	0	ND			
CSW 23	2'	ND	ND	ND	ND	ND	0	ND			
CSW 24	2'	ND	ND	ND	ND	ND	0	ND			
CSW 25	2'	ND	ND	ND	ND	ND	0	ND			
CSW 26	2'	ND	ND	ND	ND	ND	0	ND			
CS 1	2'	ND	ND	ND	ND	ND	0	ND			
CS 2	2'	ND	ND	ND	ND	ND	0	ND			
CS 3	2'	ND	ND	ND	ND	ND	0	ND			
CS 4	2'	ND	ND	ND	ND	ND	0	ND			
CS 5	2'	ND	ND	ND	ND	ND	0	ND			
CS 6	2'	ND	ND	ND	ND	ND	0	ND			
CS 7	2'	ND	ND	ND	ND	ND	0	ND			
CS 8	2'	ND	ND	ND	ND	ND	0	ND			
CS 9	2'	ND	ND	ND	ND	ND	0	ND			
CS 10	2'	ND	ND	ND	ND	ND	0	ND			
CS 11	2'	ND	ND	ND	ND	ND	0	ND			
CS 12	2'	ND	ND	ND	ND	ND	0	ND			
CS 13	2'	ND	ND	ND	ND	ND	0	ND			
CS 14	2'	ND	ND	ND	ND	ND	0	ND			
CS 15	2'	ND	ND	ND	ND ND	ND	0	ND			
CS 16	2'	ND	ND ND	ND	ND ND	ND	0	ND ND			
CS 16 CS 17	2'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND ND			
							_				
CS 18	2'	ND	ND	ND	ND	ND	0	ND			
CS 19	2'	ND	ND	ND	ND	ND	0	ND			
CS 20	2'	ND	ND	ND	ND	ND	0	ND			
CS 21	2'	ND	ND	ND	ND	ND	0	ND			
CS 22	2'	ND	ND	ND	ND	ND	0	ND			
CS 23	2'	ND	ND	ND	ND	ND	0	ND			
CS 24	2'	ND	ND	ND	ND	ND	0	ND			

CS 55	2'	ND NI	ND Analy:	ND	ND	ND	0	ND
CS 54	2'	ND	ND	ND	ND	ND	0	ND
CS 53	2'	ND	ND	ND	ND	ND	0	ND
CS 52	2'	ND	ND	ND	ND	ND	0	ND
CS 51	2'	ND	ND	ND	ND	ND	0	ND
CS 50	2'	ND	ND	ND	ND	ND	0	ND
CS 49	2'	ND	ND	ND	ND	ND	0	ND
CS 48	2'	ND	ND	ND	ND	ND	0	ND
CS 47	2'	ND	ND	ND	ND	ND	0	ND
CS 46	2'	ND	ND	ND	ND	ND	0	ND
CS 45	2'	ND	ND	ND	ND	ND	0	ND
CS 44	2'	ND	ND	ND	ND	ND	0	ND
CS 43	2'	ND	ND	ND	ND	ND	0	ND
CS 42	2'	ND	ND	ND	ND	ND	0	ND
CS 41	2'	ND	ND	ND	ND	ND	0	ND
CS 40	2'	ND	ND	ND	ND	ND	0	ND
CS 39	2'	ND	ND	ND	ND	ND	0	ND
CS 38	2'	ND	ND	ND	ND	ND	0	ND
CS 37	2'	ND	ND	ND	ND	ND	0	ND
CS 36	2'	ND	ND	ND	ND	ND	0	ND
CS 35	2'	ND	ND	ND	ND	ND	0	ND
CS 34	2'	ND	ND	ND	ND	ND	0	ND
CS 33	2'	ND	ND	ND	ND	ND	0	ND
CS 32	2'	ND	ND	ND	ND	ND	0	ND
CS 31	2'	ND	ND	ND	ND	ND	0	ND
CS 30	2'	ND	ND	ND	ND	ND	0	ND
CS 29	2'	ND	ND	ND	ND	ND	0	ND
CS 28	2'	ND	ND	ND	ND	ND	0	ND
CS 27	2'	ND	ND	ND	ND	ND	0	ND
CS 26	2'	ND	ND	ND	ND	ND	0	ND
CS 25	2'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottom and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was transported to an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and contoured to match the surrounding terrain. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NRM2014352847 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 806-782-1151 or gio@pimaoil.com.

Respectfully,

Gio Gomez

Gio Gomez Project Manager Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Confirmation Sample Map

Appendices:

Appendix A – Referenced Water Surveys

Appendix B – Soil Survey and Geological Data

Appendix C – C-141 Form and 48-Hour Notification

Appendix D – Photographic Documentation

Appendix E – Laboratory Reports



Figures:

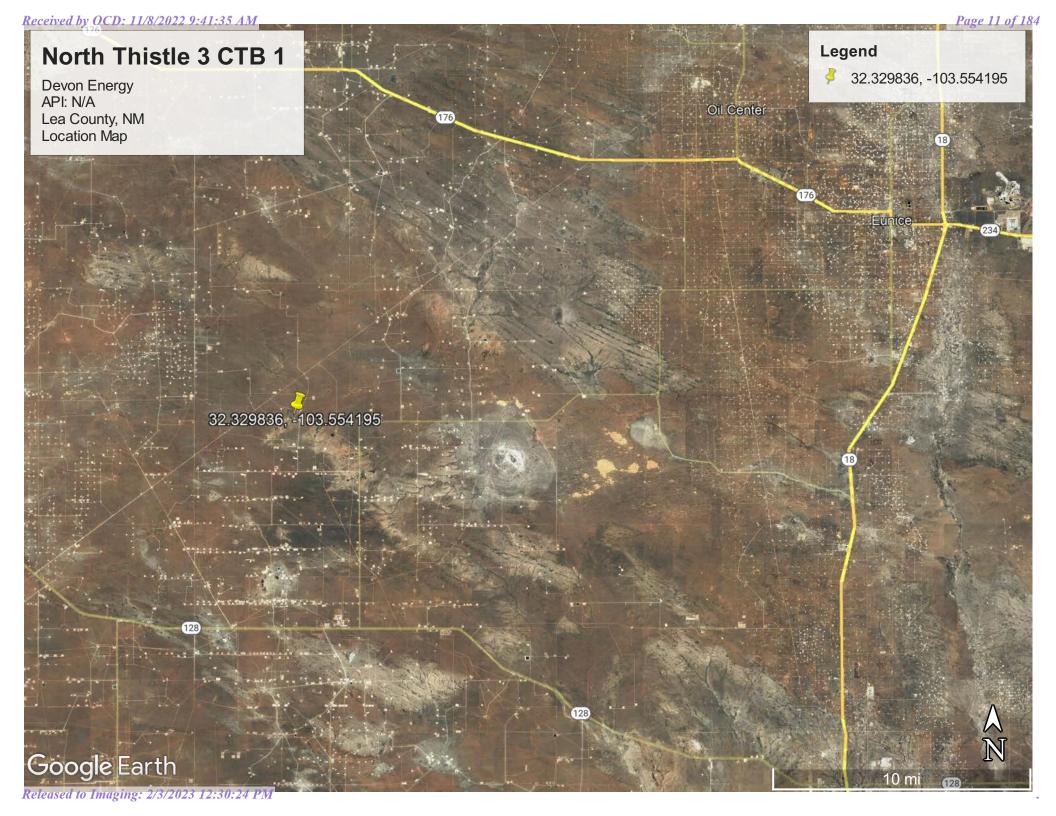
1-Location Map

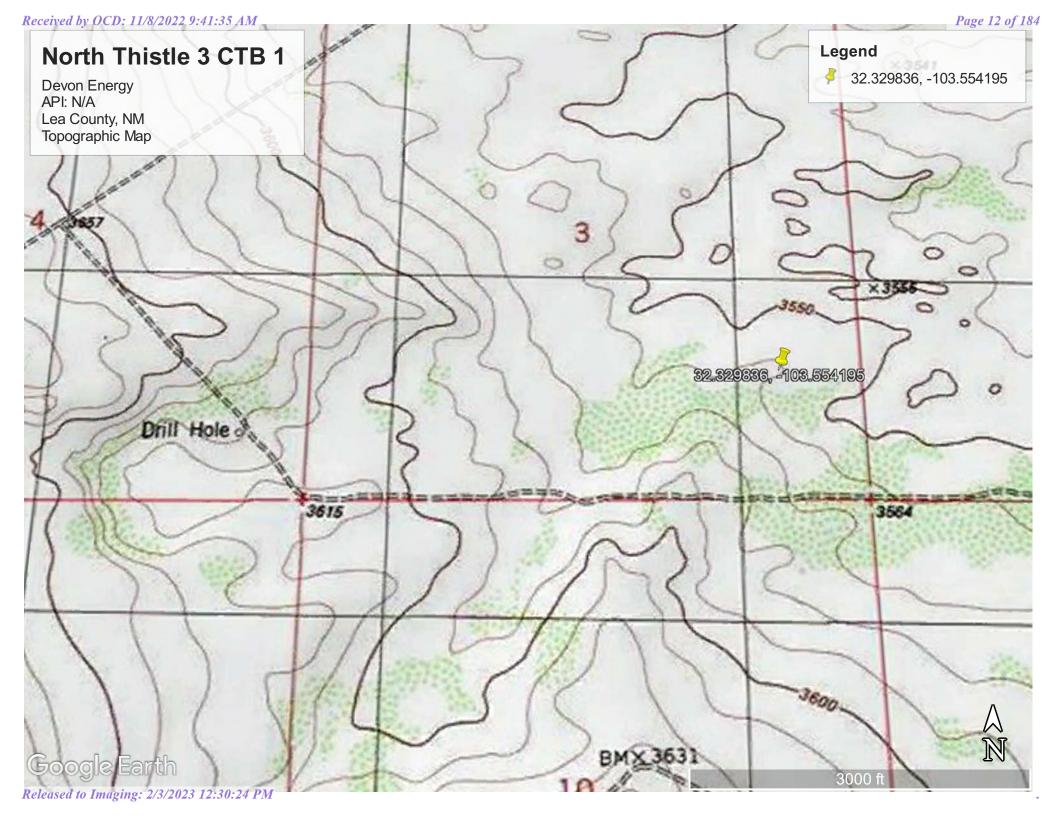
2-Topo Map

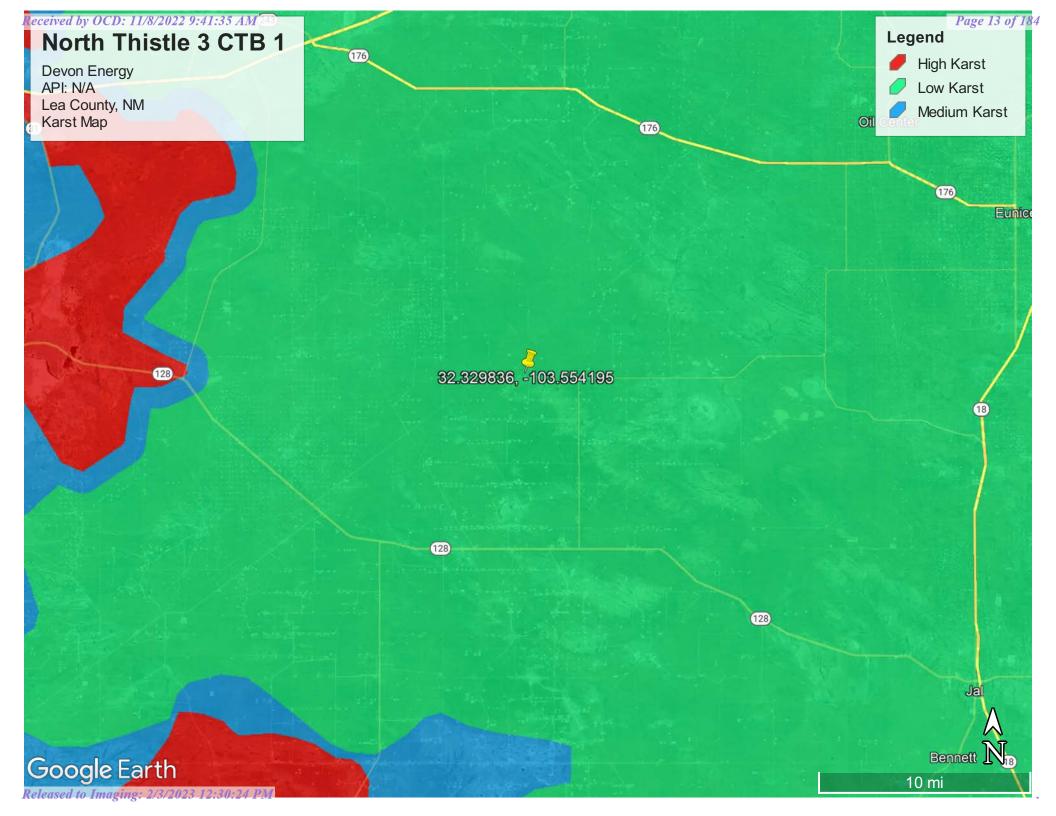
3-Karst Map

4-Site Map

5-Confirmation Site Map

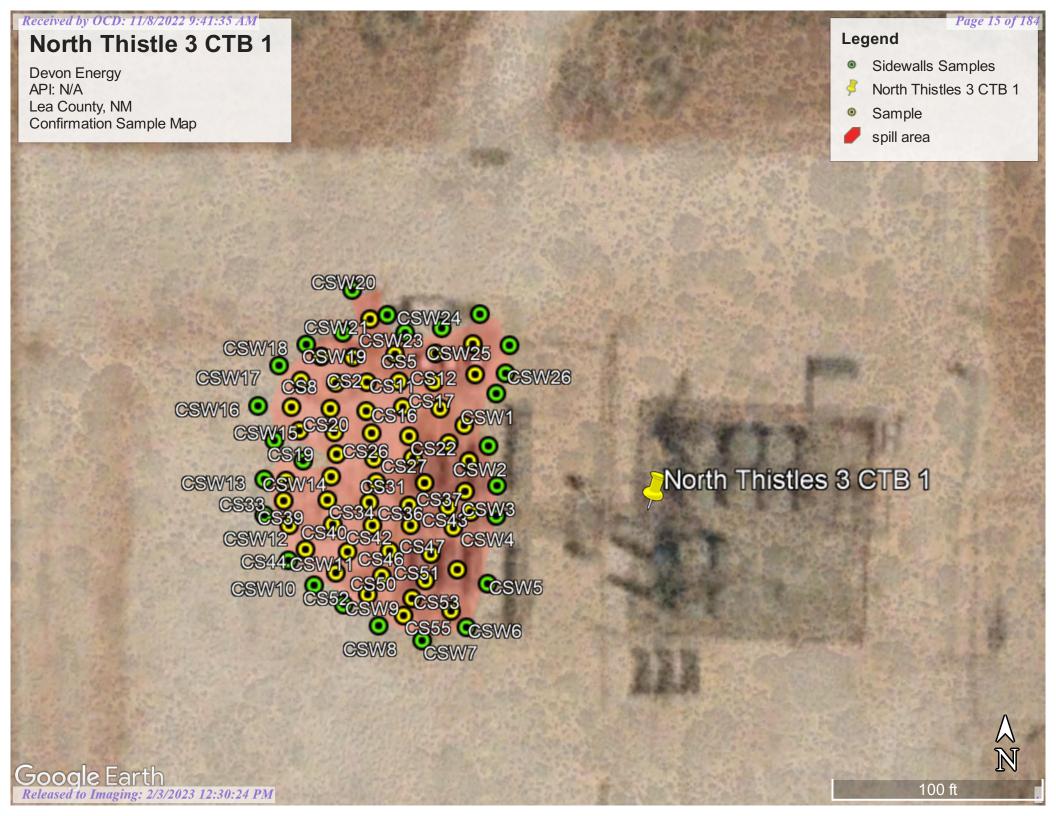








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Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

DOD

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

		POD													
		Sub-		Q	Q	Q								7	Water
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDe	pthWellDep	othWater C	olumn
C 03582 POD1		C	LE	4	1	1	14	23S	33E	636583	3575666	2303	590		
C 04664 POD1		CUB	LE	4	1	4	15	23S	33E	635784	3574818	3109	55		
<u>CP 00278 POD1</u>		CP	LE	1	3	4	06	23S	34E	640413	3577897	4333	640		
<u>CP 01130 POD1</u>		CP	LE	2	1	2	07	23S	34E	640662	3577558	4596	27		
<u>CP 01130 POD2</u>		CP	LE	2	1	2	07	23S	34E	640674	3577549	4608	27		
<u>CP 01886 POD1</u>		CP	LE	4	1	4	07	23S	34E	640646	3576545	4766			
C 04353 POD1		CUB	ED	4	2	2	24	23S	33E	639474	3574098	5106	603	330	273
<u>CP 00872 POD1</u>		CP	LE	1	1	1	08	23S	34E	641225	3577504*	5161	494	305	189
<u>CP 01075 POD1</u>		CP	LE	1	1	1	08	23S	34E	641278	3577525	5212	430	20	410
<u>CP 01502 POD1</u>		CP	LE	4	3	3	05	23S	34E	641316	3577635	5243	648	200	448

Average Depth to Water:

213 feet

Minimum Depth:

20 feet

Maximum Depth:

330 feet

Record Count: 10

UTMNAD83 Radius Search (in meters):

Easting (X): 636079.96 **Northing (Y):** 3577914.2

Radius: 5500

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

11/4/22 9:14 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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

GO



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources	Data Category:		Geographic Area:	
5555 Water Resources	Groundwater	~	United States	~

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

321843103315101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321843103315101 23S.33E.12.312423

Available data for this site	Groundwater:	Field measurements	→ GO	
Lea County, New Mexico				
Hydrologic Unit Code 1307	0007			
Latitude 32°19'06", Longi	tude 103°3:	1'53" NAD83		
Land-surface elevation 3,5	31.00 feet a	above NGVD29		
The depth of the well is 40	0 feet below	v land surface.		
This well is completed in the	ne Other aq	uifers (N9999OT	HER) nat	ional aquifer.
This well is completed in the	ne Santa Ro	sa Sandstone (2	31SNRS)	local aquifer.
	_			

Output formats

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

USGS 321843103315101 235.33E.12.312423



- Period of approved data

Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
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Title: Groundwater for USA: Water Levels

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

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2022-07-19 15:58:03 EDT

0.59 0.51 nadww01





USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:	Geographic Area:	_	
Groundwater ~	United States	~	GO

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

321917103303001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321917103303001 23S.34E.06.43314

Available data for this site Groundwater: Field measurements

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°19'17", Longitude 103°30'30" NAD27
Land-surface elevation 3,480 feet above NAVD88
The depth of the well is 640 feet below land surface.
This well is completed in the Other aguifers (N99990THER) national aguifer.

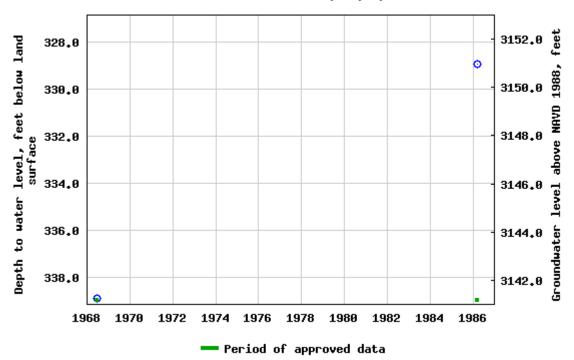
This well is completed in the Other aquifers (N99990THER) national aquifer.

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

USGS 321917103303001 235.34E.06.43314



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

Questions about sites/data?
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Explanation of terms
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Title: Groundwater for USA: Water Levels

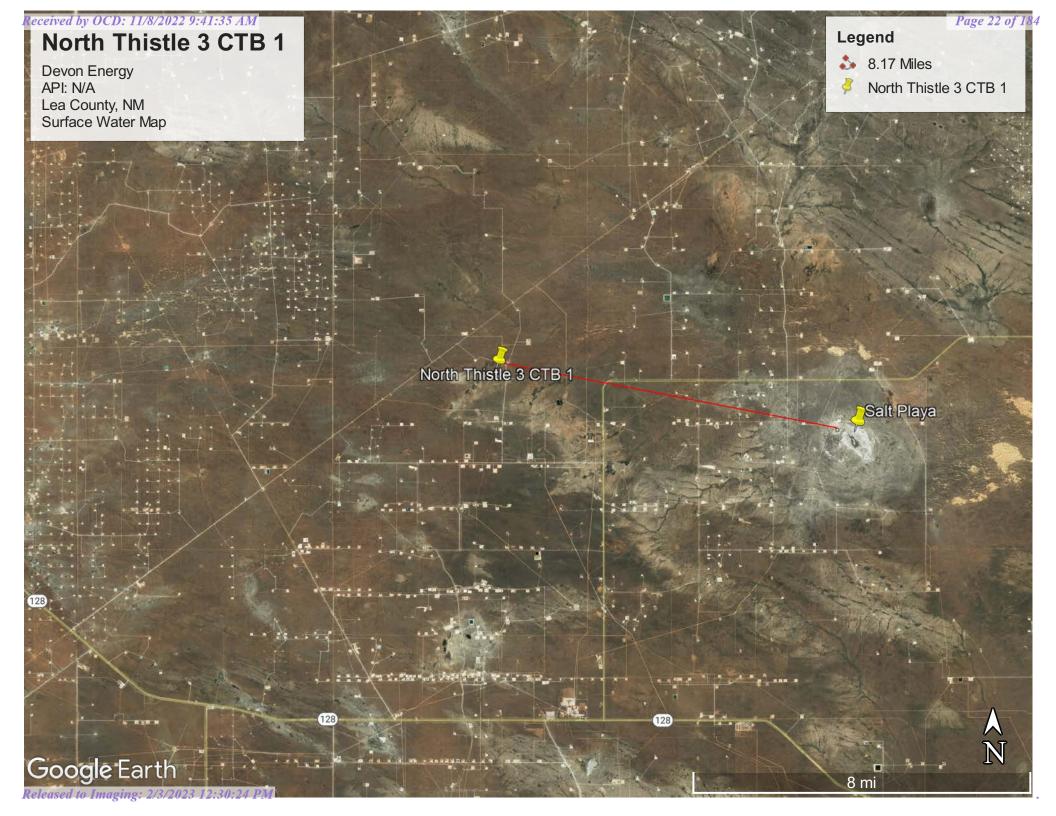
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2022-07-19 15:59:00 EDT

0.57 0.49 nadww01







Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map

Lea County, New Mexico

KD—Kermit-Palomas fine sands, 0 to 12 percent slopes

Map Unit Setting

National map unit symbol: dmpv Elevation: 3,000 to 4,400 feet

Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 70 percent Palomas and similar soils: 20 percent Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Kermit

Setting

Landform: Dunes

Landform position (two-dimensional): Shoulder, backslope,

footslope

Landform position (three-dimensional): Side slope Down-slope shape: Concave, linear, convex

Across-slope shape: Convex

Parent material: Calcareous sandy eolian deposits derived from

sedimentary rock

Typical profile

A - 0 to 8 inches: fine sand C - 8 to 60 inches: fine sand

Properties and qualities

Slope: 3 to 12 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Excessively drained

Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): Very

high (20.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e



Hydrologic Soil Group: A

Ecological site: R070BD005NM - Deep Sand

Hydric soil rating: No

Description of Palomas

Setting

Landform: Dunes

Landform position (two-dimensional): Shoulder, backslope,

footslope

Landform position (three-dimensional): Side slope Down-slope shape: Convex, linear, concave

Across-slope shape: Convex

Parent material: Alluvium derived from sandstone

Typical profile

A - 0 to 16 inches: fine sand

Bt - 16 to 60 inches: sandy clay loam Bk - 60 to 66 inches: sandy loam

Properties and qualities

Slope: 0 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 50 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0

mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Minor Components

Pyote

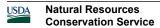
Percent of map unit: 4 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Maliamar

Percent of map unit: 4 percent



Map Unit Description: Kermit-Palomas fine sands, 0 to 12 percent slopes---Lea County, New Mexico

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Palomas

Percent of map unit: 1 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Dune land

Percent of map unit: 1 percent Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 19, Sep 8, 2022

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 inches Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent Maljamar and similar soils: 44 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary

rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High

(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0

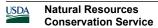
mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e



Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: A

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary

rock

Typical profile

A - 0 to 24 inches: fine sand

Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 40 to 60 inches to petrocalcic

Drainage class: Well drained Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): Very low

to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0

mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent

Ecological site: R070BC022NM - Sandhills

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 19, Sep 8, 2022

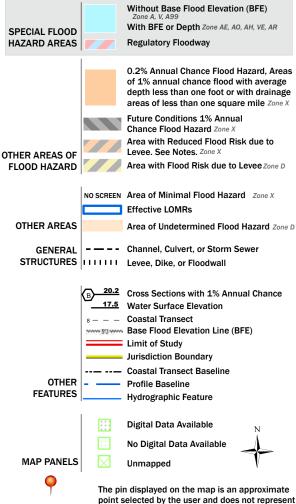
OReleas 250 Im 5 Page 2/3/2023 1.2.90:24 PM

Received by OCD: 11/8/2022 9:41:35 AM National Flood Hazard Layer FIRMette





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

an authoritative property location.

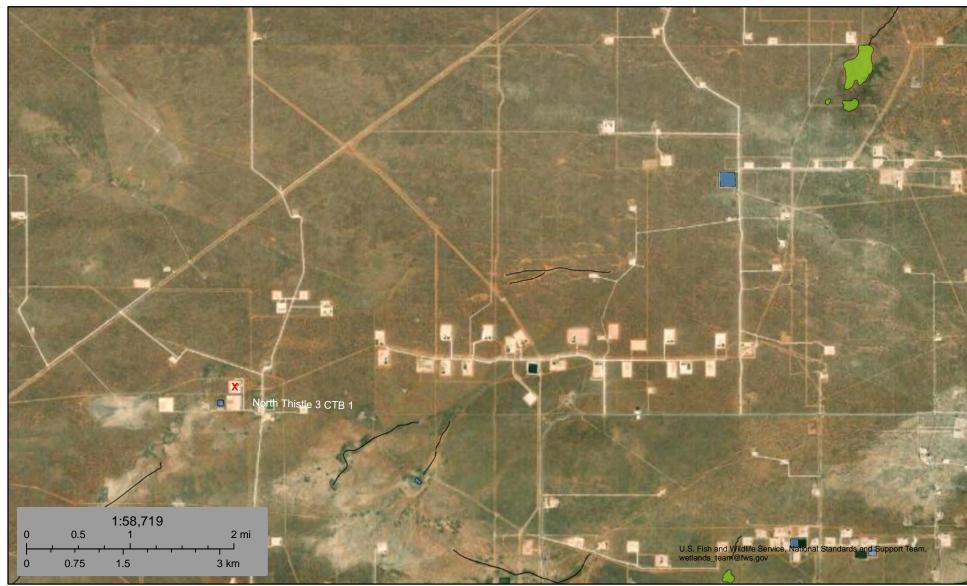
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/4/2022 at 3:21 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.





Wetlands Map



November 4, 2022

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Riverine



Other

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Appendix C

C-141 Form

48-Hour Notification

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NRM2014352847
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID 6127

Responsible Party Devon Energy Production Company				OGRID ₆	37		
Contact Name Amanda T. Davis				Contact Te	Contact Telephone 575-748-0176		
Contact email amanda.davis@dvn.com				Incident #	(assigned by OCD)		
Contact mail	ing address	6488 Seven Ri	vers HWY	1			
			Location	of Release Se	ource		
Latitude 32	.32983	6		Longitude	Longitude -103.554195		
			(NAD 83 in deci	mal degrees to 5 decin	nal places)		
Site Name No	orth Thistle	e 3 CTB 1		Site Type	Dil		
Date Release	Discovered	12/9/2019		API# (if app	licable)		
Unit Letter	Section	Township	Township Range Cou				
Р	3	23S	33E	Lea			
Surface Owner	r: State	Federal T1	ribal Private (N	ame:)	
			Nature and	Volume of l	Release		
				alculations or specific	justification for the volumes		
Crude Oil		Volume Release	ed (bbls) 213.29		Volume Recovered (^{bbls)} 170	
Produced	Water	Volume Release	ed (bbls)		Volume Recovered (bbls)	
	Is the concentration of total dissolved so in the produced water >10,000 mg/l?			()	Yes No		
Condensa	Condensate Volume Released (bbls)				Volume Recovered (bbls)		
☐ Natural Gas Volume Released (Mcf)				Volume Recovered (Mcf)			
Other (describe) Volume/Weight Released (provide uni			units)	Volume/Weight Reco	overed (provide units)		
Cause of Rel	i ne v	vater dumped ined on pad.	washed out ar	nd developed	l a hole causing flu	uid release. All fluid	

Received by OCD: 11/8/2022 9:41:35 AM State of New Mexico
Page 2 Oil Conservation Division

	P	ag	e	34	eoJ	1	84
=		·	_				

Incident ID	NRM2014352847
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the respo	nsible party consider this a major release?		
release as defined by	This is considered a major relea			
19.15.29.7(A) NMAC?	,			
Yes No				
		nom? When and by what means (phone, email, etc)?		
Email notification se on 12/10/2019.	ent to Jim Griswold, emnrd-ocd-d	istrict1spills, and Ryan Mann from Amanda Davis		
011 12/10/2019.				
	Initial R	esponse		
The responsible	party must undertake the following actions immediate	y unless they could create a safety hazard that would result in injury		
■ The source of the rele	ease has been stopped.			
■ The impacted area ha	s been secured to protect human health and	the environment.		
Released materials ha	ave been contained via the use of berms or	likes, absorbent pads, or other containment devices.		
All free liquids and re	ecoverable materials have been removed an	d managed appropriately.		
If all the actions describe	d above have <u>not</u> been undertaken, explain	why:		
Fluid release was n	ot in containment.			
B 10.15.20.0 B (4) NB	M.C.I.			
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.				
I hereby certify that the info	rmation given above is true and complete to the	best of my knowledge and understand that pursuant to OCD rules and		
		fications 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 o and/or regulations.	f a C-141 report does not relieve the operator of	responsibility for compliance with any other federal, state, or local laws		
Printed Name: Kendr	a DeHoyos	Title: EHS Associate		
Signature: Kendra	a DeHoyos DeHoyos	Date: 1/8/2020_		
	noyos@dvn.com	Telephone: 575-748-3371		
Cilian.	<u>, , , , , , , , , , , , , , , , , , , </u>	1 Cicpitolic.		
OCD Only				
Received by: Ramona I	Marcus	Date: 5/22/2020		
Received by: Kamona	· initial value	Date:5/22/2020		

Received by OCD:	11/8/2022 9:41:35 AM	s) Calculato. Page 35 of 184		
Inputs in blue, Outputs in red				
Co	ntaminated Soil	measurement		
Area (squ	are feet)	Depth(inches)		
<u>121</u>	83	1.000		
Cubic Feet of S	Soil Impacted	1015.250		
Barrels of So	il Impacted	180.97		
Soil T	уре	Clay/Sand		
Barrels of Oil Assuming 100% Saturation		27.15		
Saturation	Fluid presen	t with shovel/backhoe		
Estimated Barrels of Oil Released		27.15		
Free Standing Fluid Only				
Area (square feet)		Depth(inches)		
12183		1.000		
Standing fluid		180.971		
Total fluids spilled Released to Imaging: 2/3/2023 12:30:24		<u>208.117</u>		

Received by OCD: 11/8/2022 9:41:35 AM Is) Calculato Page 36 of 184				
Inputs in blue, Outputs in red				
Cor	ntaminated Soi	l measurement		
Area (squ	are feet)	Depth(inches)		
929	95	0.250		
Cubic Feet of S	Soil Impacted	<u>193.646</u>		
Barrels of So	il Impacted	<u>34.52</u>		
Soil T	ype	Clay/Sand		
Barrels of Oil Assuming 100% Saturation		5.18		
Saturation	Fluid prese	nt with shovel/backhoe		
Estimated Barrels of Oil Released		5.18		
Free Standing Fluid Only				
Area (square feet)		Depth(inches)		
Standing fluid		0.000		
Total fluids spilled Released to Imaging: 2/3/2023 12:30:24		<u>5.178</u>		

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Incident ID NRM2014352847

Incident ID	NRM2014352847
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	330 (ft bgs)
Did this release impact groundwater or surface water?	Yes No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes X No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes 🗓 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes X No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Yes X No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes 【 No
Are the lateral extents of the release within 300 feet of a wetland?	Yes No
Are the lateral extents of the release overlying a subsurface mine?	Yes No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X No
Are the lateral extents of the release within a 100-year floodplain?	Yes No
Did the release impact areas not on an exploration, development, production, or storage site?	Yes X No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
 X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well X Field data X Data table of soil contaminant concentration data X Depth to water determination X Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs X Photographs including date and GIS information X Topographic/Aerial maps X Laboratory data including chain of custody 	ls.

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

Received by OCD: 11/8/2022 9:41:35 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

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Incident ID	NRM2014352847
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					
Printed Name: Dale Woodall	Title: EHS Professional				
Signature:	Date:				
email:dale.woodall@dvn.com	Telephone: 405-318-4697				
OCD Only					
Received by:	Date:				

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Incident ID	NRM2014352847
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following is	items must be included in the closure report.
X A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
x Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification with 19.15	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
Printed Name: Dale Woodall	
Signature:	Date:
email:dale.woodall@dvn.com	Telephone: 405-318-4697
OCD Only	
Received by: OCD	Date:11/8/2022
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:2/03/2023
Printed Name: Ashley Maxwell	Title: Environmental Specialist



Gio PimaOil <gio@pimaoil.com>

Confirmation Samples North Thistle 3 CTB 1

1 message

Gio PimaOil <gio@pimaoil.com>

Fri, Nov 4, 2022 at 11:32 AM

To: ocdonline@state.nm.us, Tom Pima Oil <tom@pimaoil.com>

Good Morning,

Pima Environmental would like to notify you that we collected confirmation samples at the North Thistle 3 CTB 1 for incident NRM2014352847. The notification must not have been received due to a network error. Pima personnel were on site for this sampling event on Friday, September 30, 2022. If you have any questions or concerns, please let me know. Thank you.

Gio Gomez **Project Manager** cell-806-782-1151 Office- 575-964-7740 Pima Environmental Services, LLC.



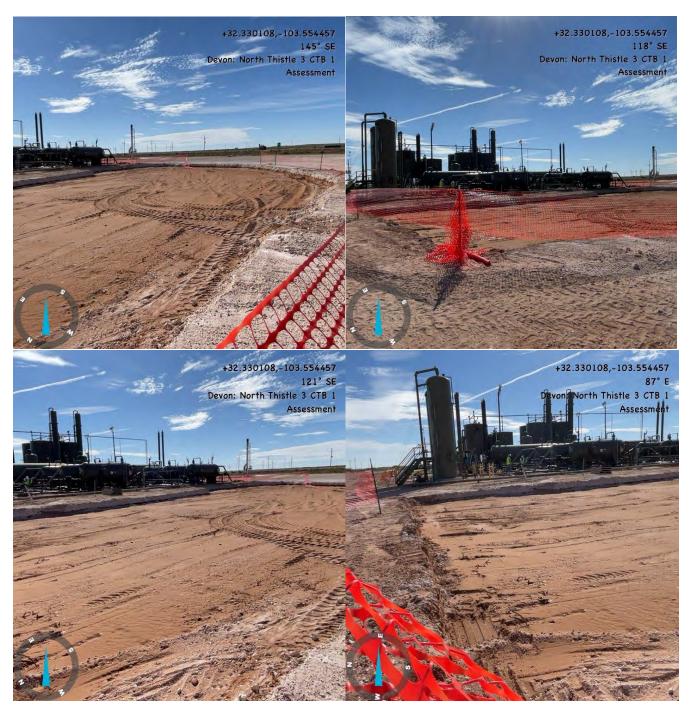
Appendix D

Photographic Documentation

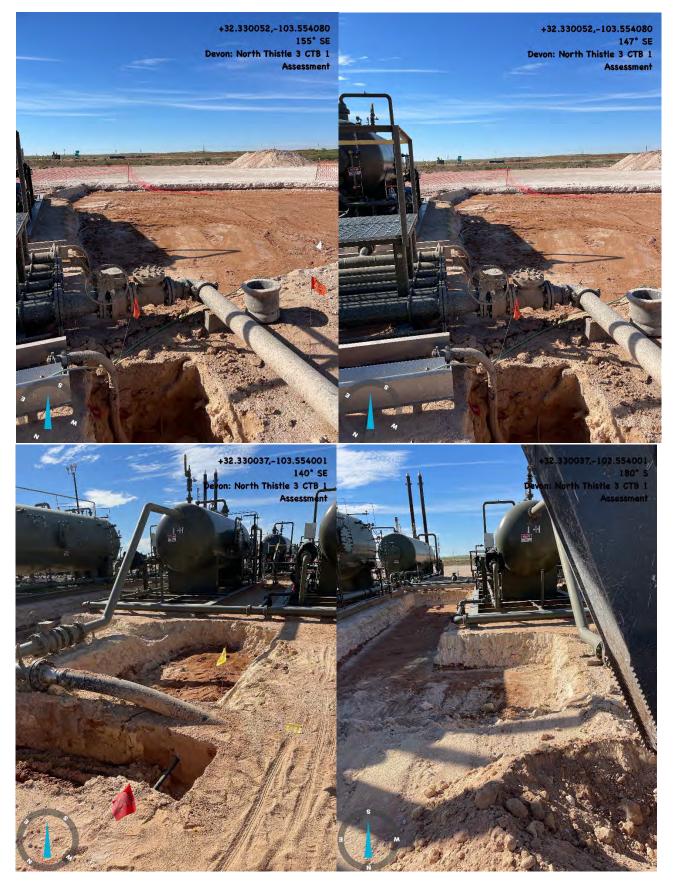


SITE PHOTOGRAPHS DEVON ENERGY

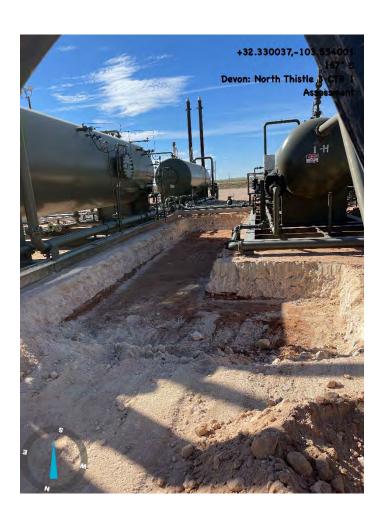
NORTH THISTLE 3 CTB 1









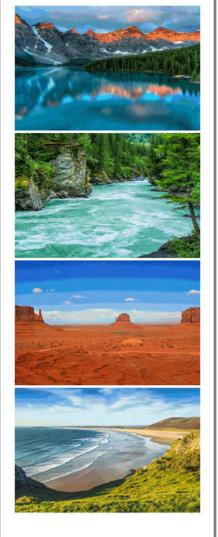




Appendix E

Laboratory Reports

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: N

North Thistle 3 CTB1

Work Order:

E209189

Job Number:

01058-0007

Received:

10/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/4/22

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

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

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

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

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

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

Date Reported: 10/4/22

Tom Bynum PO Box 247

Plains, TX 79355-0247

Project Name: North Thistle 3 CTB1

Workorder: E209189

Date Received: 10/3/2022 9:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2022 9:00:00AM, under the Project Name: North Thistle 3 CTB1.

The analytical test results summarized in this report with the Project Name: North Thistle 3 CTB1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	Keporteu:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/22 15:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW 6	E209189-01A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 7	E209189-02A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 8	E209189-03A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 9	E209189-04A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 10	E209189-05A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 11	E209189-06A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 12	E209189-07A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 13	E209189-08A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 14	E209189-09A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 15	E209189-10A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 16	E209189-11A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 17	E209189-12A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 18	E209189-13A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 19	E209189-14A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 20	E209189-15A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 21	E209189-16A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 22	E209189-17A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 23	E209189-18A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 24	E209189-19A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 25	E209189-20A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 26	E209189-21A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

		E209189-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2241008
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2241008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.3 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2241015
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		95.3 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2241011
Chloride	ND	20.0	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

CSW 7

		D .:				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dilution	Frepared	Anaryzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: IY		Batch: 2241008
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2241008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.6 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2241015
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		104 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: KL		Batch: 2241011



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

CSW 8

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Kesuit	Lillit	Dilution	Frepareu	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: IY		Batch: 2241008
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2241008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.6 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2241015
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		106 %	50-200	10/03/22	10/04/22	
A ' 1 EDA 200 0/005/A	mg/kg	mg/kg	Analy	vst: KL		Batch: 2241011
Anions by EPA 300.0/9056A	- U					



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

CSW 9

	Reporting				
Result	Limit	Dilutio	on Prepared	Analyzed	Notes
mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2241008
ND	0.0250	1	10/02/22	10/03/22	
ND	0.0250	1	10/02/22	10/03/22	
ND	0.0250	1	10/02/22	10/03/22	
ND	0.0250	1	10/02/22	10/03/22	
ND	0.0500	1	10/02/22	10/03/22	
ND	0.0250	1	10/02/22	10/03/22	
	102 %	70-130	10/02/22	10/03/22	
mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2241008
ND	20.0	1	10/02/22	10/03/22	
	85.4 %	70-130	10/02/22	10/03/22	
mg/kg	mg/kg	Aı	nalyst: JL		Batch: 2241015
ND	25.0	1	10/03/22	10/04/22	
ND	50.0	1	10/03/22	10/04/22	
	107 %	50-200	10/03/22	10/04/22	
mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2241011
ND	20.0	1	10/03/22	10/03/22	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 MD 20.0250 85.4 % mg/kg MB/kg mg/kg ND 25.0 ND 50.0 107 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 mg/kg mg/kg An ND 20.0 1 85.4 % 70-130 70-130 mg/kg mg/kg An ND 25.0 1 ND 50.0 1 107 % 50-200 mg/kg mg/kg An	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/22 ND 0.0250 1 10/02/22 ND 0.0250 1 10/02/22 ND 0.0500 1 10/02/22 ND 0.0250 1 10/02/22 ND 0.0250 1 10/02/22 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/22 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/22 ND 50.0 1 10/03/22 ND 50.0 1 10/03/22 ND 50.0 1 10/03/22 ND 50.0 1 10/03/22 mg/kg mg/kg Analyst: JL	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/22 10/03/22 ND 0.0250 1 10/02/22 10/03/22 ND 0.0250 1 10/02/22 10/03/22 ND 0.0500 1 10/02/22 10/03/22 ND 0.0250 1 10/02/22 10/03/22 ND 0.0250 1 10/02/22 10/03/22 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/22 10/03/22 mg/kg mg/kg Analyst: IV ND 25.0 1 10/02/22 10/03/22 ND 25.0 1 10/03/22 10/04/22 10/04/22 ND 50.0 1 10/03/22 10/04/22 ND 50.0 1 10/03/22 10/04/22 ND 50.0 1 10/03/22 10/04/22



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

CSW 10

Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2241008
ND	0.0250	1	10/02/22	10/03/22	
ND	0.0250	1	10/02/22	10/03/22	
ND	0.0250	1	10/02/22	10/03/22	
ND	0.0250	1	10/02/22	10/03/22	
ND	0.0500	1	10/02/22	10/03/22	
ND	0.0250	1	10/02/22	10/03/22	
	99.6 %	70-130	10/02/22	10/03/22	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2241008
ND	20.0	1	10/02/22	10/03/22	
	84.4 %	70-130	10/02/22	10/03/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2241015
ND	25.0	1	10/03/22	10/04/22	
ND	50.0	1	10/03/22	10/04/22	
	108 %	50-200	10/03/22	10/04/22	
mg/kg	mg/kg	Ana	lyst: KL		Batch: 2241011
	ND Mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 99.6 % mg/kg mg/kg ND 20.0 84.4 % mg/kg ND 25.0 ND 50.0	Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 70-130 mg/kg mg/kg Ana ND 20.0 1 84.4 % 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/22 ND 0.0250 1 10/02/22 ND 0.0250 1 10/02/22 ND 0.0500 1 10/02/22 ND 0.0250 1 10/02/22 ND 0.0250 1 10/02/22 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/22 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/22 ND 50.0 1 10/03/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/22 10/03/22 ND 0.0250 1 10/02/22 10/03/22 ND 0.0250 1 10/02/22 10/03/22 ND 0.0500 1 10/02/22 10/03/22 ND 0.0250 1 10/02/22 10/03/22 ND 0.0250 1 10/02/22 10/03/22 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/22 10/03/22 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/22 10/04/22 ND 50.0 1 10/03/22 10/04/22



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

CSW 11

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2241008
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2241008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.6 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2241015
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		117 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: KL		Batch: 2241011
Chloride	ND	20.0	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

		E209189-07				
Reporting						
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2241008
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2241008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.9 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2241015
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		105 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2241011
Chloride	ND	20.0	1	10/03/22	10/03/22	·



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

CSW 13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		yst: IY	7 Hary 200	Batch: 2241008
Volatile Organics by EPA 8021B			711141		40/00/00	Datch. 2241000
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2241008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.9 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2241015
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		104 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2241011
Chloride	ND	20.0	1	10/03/22	10/03/22	·



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

		E209189-09				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2241008
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2241008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.9 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2241015
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		91.4 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2241011
Chloride	ND	20.0	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

		E209189-10				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2241008
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2241008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.8 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2241015
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		107 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2241011
Chloride	ND	20.0	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

		E209189-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: IY		Batch: 2241008
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: IY		Batch: 2241008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.0 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: JL		Batch: 2241015
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		98.7 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: KL		Batch: 2241011
Chloride	ND	20.0	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

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		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2241008
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2241008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.6 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2241015
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		108 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2241011
Chloride	ND	20.0	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

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		D .:				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2241008
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: IY		Batch: 2241008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.6 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2241015
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		80.7 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2241011
Chloride	ND	20.0	1	10/03/22	10/03/22	
Anions by EPA 300.0/9056A Chloride			1	-	10/03/22	Batch:



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

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Reporting						
Result	Limit	Dilutio	n Prepared	Analyzed	Notes	
mg/kg	mg/kg	An	alyst: IY		Batch: 2241008	
ND	0.0250	1	10/02/22	10/03/22		
ND	0.0250	1	10/02/22	10/03/22		
ND	0.0250	1	10/02/22	10/03/22		
ND	0.0250	1	10/02/22	10/03/22		
ND	0.0500	1	10/02/22	10/03/22		
ND	0.0250	1	10/02/22	10/03/22		
	101 %	70-130	10/02/22	10/03/22		
mg/kg	mg/kg	An	alyst: IY		Batch: 2241008	
ND	20.0	1	10/02/22	10/03/22		
	82.9 %	70-130	10/02/22	10/03/22		
mg/kg	mg/kg	An	alyst: JL		Batch: 2241015	
ND	25.0	1	10/03/22	10/04/22		
ND	50.0	1	10/03/22	10/04/22		
	81.6 %	50-200	10/03/22	10/04/22		
mg/kg	mg/kg	An	alyst: KL		Batch: 2241011	
ND	20.0	1	10/03/22	10/03/22		
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO1 % mg/kg mg/kg mg/kg ND 20.0 82.9 % mg/kg ND 25.0 ND 50.0 81.6 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 ND 70-130 mg/kg mg/kg An ND 20.0 1 82.9 % 70-130 70-130 mg/kg mg/kg An ND 25.0 1 ND 50.0 1 81.6 % 50-200 mg/kg Mg/kg An	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/22 ND 0.0250 1 10/02/22 ND 0.0250 1 10/02/22 ND 0.0500 1 10/02/22 ND 0.0250 1 10/02/22 ND 0.0250 1 10/02/22 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/22 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/22 ND 50.0 1 10/03/22 ND 50.0 1 10/03/22 ND 50.0 1 10/03/22 ND 50.0 1 10/03/22 mg/kg mg/kg Analyst: JL	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/22 10/03/22 ND 0.0250 1 10/02/22 10/03/22 ND 0.0250 1 10/02/22 10/03/22 ND 0.0500 1 10/02/22 10/03/22 ND 0.0250 1 10/02/22 10/03/22 ND 0.0250 1 10/02/22 10/03/22 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/22 10/03/22 mg/kg mg/kg Analyst: IJ ND 25.0 1 10/02/22 10/03/22 ND 25.0 1 10/03/22 10/04/22 ND 50.0 1 10/03/22 10/04/22 ND 50.0 1 10/03/22 10/04/22 ND 50.0 1 10/03/22 10/04/22 Mg/kg mg/kg	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

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Reporting							
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: IY		Batch: 2241008	
Benzene	ND	0.0250	1	10/02/22	10/03/22		
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22		
Toluene	ND	0.0250	1	10/02/22	10/03/22		
o-Xylene	ND	0.0250	1	10/02/22	10/03/22		
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22		
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22		
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/02/22	10/03/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	alyst: IY		Batch: 2241008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.3 %	70-130	10/02/22	10/03/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	alyst: JL		Batch: 2241015	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22		
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22		
Surrogate: n-Nonane		83.9 %	50-200	10/03/22	10/04/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: KL		Batch: 2241011	
Chloride	ND	20.0	1	10/03/22	10/03/22		



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

E209189-16							
Reporting							
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2241008	
Benzene	ND	0.0250	1	10/02/22	10/03/22		
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22		
Toluene	ND	0.0250	1	10/02/22	10/03/22		
o-Xylene	ND	0.0250	1	10/02/22	10/03/22		
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22		
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22		
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	10/02/22	10/03/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2241008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.5 %	70-130	10/02/22	10/03/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2241015	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22		
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22		
Surrogate: n-Nonane		82.4 %	50-200	10/03/22	10/04/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2241011	
Chloride	ND	20.0	1	10/03/22	10/03/22		



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

E209189-17							
Reporting							
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2241008	
Benzene	ND	0.0250	1	10/02/22	10/03/22		
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22		
Toluene	ND	0.0250	1	10/02/22	10/03/22		
o-Xylene	ND	0.0250	1	10/02/22	10/03/22		
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22		
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22		
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/02/22	10/03/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2241008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.7 %	70-130	10/02/22	10/03/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2241015	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22		
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22		
Surrogate: n-Nonane		107 %	50-200	10/03/22	10/04/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2241011	
Chloride	ND	20.0	1	10/03/22	10/03/22		



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

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	ъ				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: IY		Batch: 2241008
ND	0.0250	1	10/02/22	10/03/22	
ND	0.0250	1	10/02/22	10/03/22	
ND	0.0250	1	10/02/22	10/03/22	
ND	0.0250	1	10/02/22	10/03/22	
ND	0.0500	1	10/02/22	10/03/22	
ND	0.0250	1	10/02/22	10/03/22	
	99.8 %	70-130	10/02/22	10/03/22	
mg/kg	mg/kg	Analy	yst: IY		Batch: 2241008
ND	20.0	1	10/02/22	10/03/22	
	84.7 %	70-130	10/02/22	10/03/22	
mg/kg	mg/kg	Analy	yst: JL		Batch: 2241015
ND	25.0	1	10/03/22	10/04/22	
ND	50.0	1	10/03/22	10/04/22	
	106 %	50-200	10/03/22	10/04/22	
mg/kg	mg/kg	Analy	yst: KL		Batch: 2241011
mg/Kg	mg ng				
	ND Mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 84.7 % mg/kg MD 25.0 ND 50.0 106 %	Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 MB/kg mg/kg Analy ND 20.0 1 84.7 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 106 % 50-200 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/22 ND 0.0250 1 10/02/22 ND 0.0250 1 10/02/22 ND 0.0500 1 10/02/22 ND 0.0250 1 10/02/22 ND 0.0250 1 10/02/22 mg/kg 70-130 10/02/22 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/22 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/22 ND 50.0 1 10/03/22 106 % 50-200 10/03/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY Image: No.



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

		E209189-19				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2241008
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	Analyst: IY		Batch: 2241008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.9 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2241015
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		101 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2241011
Chloride	ND	20.0	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

		E209189-20				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2241008
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2241008
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.8 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2241015
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		105 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2241011
Chloride	ND	20.0	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

CSW 26 E209189-21

		E207107-21					
	D. Iv	Reporting			D 1		N
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2240098
Benzene	ND	0.0250	1		10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1		10/02/22	10/03/22	
Toluene	ND	0.0250	1		10/02/22	10/03/22	
o-Xylene	ND	0.0250	1		10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1		10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1		10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		106 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2240098
Gasoline Range Organics (C6-C10)	ND	20.0	1		10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		106 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: Jl	L		Batch: 2240092
Diesel Range Organics (C10-C28)	ND	25.0	1		10/03/22	10/04/22	_
Oil Range Organics (C28-C36)	ND	50.0	1	<u>. </u>	10/03/22	10/04/22	
Surrogate: n-Nonane		87.3 %	50-200		10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL			Batch: 2241009
Chloride	ND	20.0	1		10/03/22	10/03/22	



QC Summary Data

Pima Environmental Services-CarlsbadProject Name:North Thistle 3 CTB1Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum10/4/20223:42:15PM

Plains TX, 79355-0247		Project Manage		om Bynum				10/	4/2022 3:42:15PM		
	V	Volatile Organic Compounds by EPA 8260B						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 (2240098-BLK1)							Prepared: 10	0/02/22 Anal	yzed: 10/02/22		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.3	70-130					
Surrogate: Toluene-d8	0.523		0.500		105	70-130					
LCS (2240098-BS1)							Prepared: 1	0/02/22 Anal	yzed: 10/02/22		
Benzene	2.28	0.0250	2.50		91.0	70-130					
Ethylbenzene	2.29	0.0250	2.50		91.5	70-130					
Toluene	2.26	0.0250	2.50		90.4	70-130					
o-Xylene	2.14	0.0250	2.50		85.5	70-130					
p,m-Xylene	4.27	0.0500	5.00		85.4	70-130					
Total Xylenes	6.41	0.0250	7.50		85.4	70-130					
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.455		0.500		90.9	70-130					
Surrogate: Toluene-d8	0.527		0.500		105	70-130					
LCS Dup (2240098-BSD1)							Prepared: 1	0/02/22 Anal	yzed: 10/02/22		
Benzene	2.24	0.0250	2.50		89.5	70-130	1.68	23			
Ethylbenzene	2.23	0.0250	2.50		89.4	70-130	2.37	27			
Toluene	2.20	0.0250	2.50		88.0	70-130	2.65	24			
o-Xylene	2.09	0.0250	2.50		83.6	70-130	2.25	27			
p,m-Xylene	4.17	0.0500	5.00		83.5	70-130	2.29	27			
Total Xylenes	6.26	0.0250	7.50		83.5	70-130	2.27	27			
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130					

0.500

0.527

70-130

105



Surrogate: Toluene-d8

Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

1				
	Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	Reported:
	PO Box 247	Project Number:	01058-0007	
	Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

PO Box 247 Plains TX, 79355-0247		Project Number: Project Manager		om Bynum					10/4/2022 3:42:15PM
		Volatile C	Organics b	y EPA 802	21B				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 (2241008-BLK1)							Prepared:	10/02/22	Analyzed: 10/03/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130			
LCS (2241008-BS1)							Prepared:	10/02/22	Analyzed: 10/04/22
Benzene	5.60	0.0250	5.00		112	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.6	70-130			
Toluene	4.92	0.0250	5.00		98.4	70-130			
o-Xylene	4.72	0.0250	5.00		94.4	70-130			
p,m-Xylene	9.39	0.0500	10.0		93.9	70-130			
Total Xylenes	14.1	0.0250	15.0		94.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			
LCS Dup (2241008-BSD1)							Prepared:	10/02/22	Analyzed: 10/04/22
Benzene	5.07	0.0250	5.00		101	70-130	10.0	20	
Ethylbenzene	4.19	0.0250	5.00		83.7	70-130	10.1	20	
Toluene	4.43	0.0250	5.00		88.6	70-130	10.5	20	
o-Xylene	4.27	0.0250	5.00		85.5	70-130	9.93	20	
p,m-Xylene	8.50	0.0500	10.0		85.0	70-130	9.93	20	
Total Xylenes	12.8	0.0250	15.0		85.1	70-130	9.93	20	



Pima Environmental Services-CarlsbadProject Name:North Thistle 3 CTB1Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum10/4/2022 3:42:15PM

Nonhalogenate	ed Organics b	v EPA 8015D	- GRO

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 (2240098-BLK1)					I	Prepared: 10	0/02/22 Analyz	ed: 10/02/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.502		0.500	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500	92.3	70-130			
Surrogate: Toluene-d8	0.523		0.500	105	70-130			
LCS (2240098-BS2)					I	Prepared: 10	0/02/22 Analyz	ed: 10/02/22
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	102	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500	99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500	98.3	70-130			
Surrogate: Toluene-d8	0.532		0.500	106	70-130			
LCS Dup (2240098-BSD2)					I	Prepared: 10	0/02/22 Analyz	ed: 10/02/22
Gasoline Range Organics (C6-C10)	55.9	20.0	50.0	112	70-130	8.84	20	
Surrogate: Bromofluorobenzene	0.494		0.500	98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500	93.2	70-130			
Surrogate: Toluene-d8	0.529		0.500	106	70-130			



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

Plains TX, 79355-0247		Project Manager		m Bynum					10/4/2022 3:42:15PM
	Non	halogenated (Organics l	by EPA 801	15D - Gl	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241008-BLK1)							Prepared: 1	0/02/22 <i>A</i>	Analyzed: 10/03/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.52		8.00		81.5	70-130			
LCS (2241008-BS2)							Prepared: 10	0/02/22 A	Analyzed: 10/04/22
Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.60		8.00		82.5	70-130			
LCS Dup (2241008-BSD2)							Prepared: 10	0/02/22 A	Analyzed: 10/04/22
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.9	70-130	0.203	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.74		8.00		84.3	70-130			

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					10/4/2022 3:42:15PM
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2240092-BLK1)							Prepared: 1	0/03/22 Ar	nalyzed: 10/03/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.3		50.0		105	50-200			
LCS (2240092-BS1)							Prepared: 1	0/03/22 Ar	nalyzed: 10/03/22
Diesel Range Organics (C10-C28)	209	25.0	250		83.4	38-132			
Surrogate: n-Nonane	54.5		50.0		109	50-200			
Matrix Spike (2240092-MS1)				Source:	E209184-	03	Prepared: 1	0/03/22 Ar	nalyzed: 10/03/22
Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.9	38-132			
Surrogate: n-Nonane	53.0		50.0		106	50-200			
Matrix Spike Dup (2240092-MSD1)				Source:	E209184-	03	Prepared: 1	0/03/22 Ar	nalyzed: 10/03/22
Diesel Range Organics (C10-C28)	230	25.0	250	ND	92.0	38-132	1.24	20	
Surrogate: n-Nonane	54.1		50.0		108	50-200			



Pima Environmental Services-CarlsbadProject Name:North Thistle 3 CTB1Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum10/4/2022 3:42:15PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					10/4/2022 3:42:15PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241015-BLK1)							Prepared: 1	0/03/22 A	nalyzed: 10/04/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.1		50.0		82.2	50-200			
LCS (2241015-BS1)							Prepared: 1	0/03/22 A	nalyzed: 10/04/22
Diesel Range Organics (C10-C28)	198	25.0	250		79.2	38-132			
Surrogate: n-Nonane	39.4		50.0		78.8	50-200			
Matrix Spike (2241015-MS1)				Source:	E209189-	14	Prepared: 1	0/03/22 A	nalyzed: 10/04/22
Diesel Range Organics (C10-C28)	211	25.0	250	ND	84.5	38-132			
Surrogate: n-Nonane	34.1		50.0		68.1	50-200			
Matrix Spike Dup (2241015-MSD1)				Source:	E209189-	14	Prepared: 1	0/03/22 A	nalyzed: 10/04/22
Diesel Range Organics (C10-C28)	214	25.0	250	ND	85.4	38-132	1.05	20	
Surrogate: n-Nonane	40.0		50.0		80.0	50-200			



Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	North Thistle 3 CTB1 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:42:15PM

Anions by EPA 300.0/9056A									Analyst: KL	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2241009-BLK1)						I	Prepared: 1	0/03/22 Ana	lyzed: 10/03/22	
GII II	ND	20.0								

Chloride	ND	20.0		
LCS (2241009-BS1)				Prepared: 10/03/22 Analyzed: 10/03/22
Chloride	245	20.0	250	98.1 90-110
LCS Dup (2241009-BSD1)				Prepared: 10/03/22 Analyzed: 10/03/22
Chloride	245	20.0	250	98.2 90-110 0.0905 20



LCS Dup (2241011-BSD1)

Chloride

Prepared: 10/03/22 Analyzed: 10/03/22

20

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	0	North Thistle 3 1058-0007 Com Bynum	CTB1				Reported: 10/4/2022 3:42:15PM
		Anions l	by EPA	300.0/9056 <i>A</i>	\				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241011-BLK1)							Prepared: 1	0/03/22 A	nalyzed: 10/03/22
Chloride	ND	20.0							
LCS (2241011-BS1)							Prepared: 1	0/03/22 A	nalyzed: 10/03/22
Chloride	253	20.0	250		101	90-110			

250

20.0

103

90-110

1.64

257

QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/22 15:42

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information

_ofQ	Received by OCD:
ogram SDWA	
RCRA	11/8/2022
TX	2 9:41:35
	5 AM

Chain of Custody

lient: Dime En.	ironmon	al Sania	200	Bill To		(F)		La	b Us	e On	ly				TA		EPA P	rogram
lient: Pima Envi roject: North Th roject Manager:	Tom By	CTB)		Attention: Devon Energy Address:		Lab E 2	#0W 1909			1 dot	Num 58	ber -0007 nd Metho	X	2D	3D	Standard	CWA	SDWA
ddress: 5614 N. City, State, Zip Ho Phone: 580-748- Cmail: tom@pir	obbs, NI -1613	M, 88240		City, State, Zip Phone: Email:		DRO/ORO by 8015	GRO/DRO by 8015	n				na Metho				NM CO	State UT AZ	
Report due by:	naon.co			Pima Project # - 175	Lab	ORO b	DRO b	ВТЕХ ЬУ 8021	VOC by 8260	Metals 6010	Chloride 300.0		DC NM	٦ ۲		×		
Time Date Sampled Sampled	Matrix	No. of Containers	Sample ID		Number	DRO/	GRO/	BTEX	VOCI	Meta	Chlor		BGDOC	верос			Remarks	
1:00 01/30/22	8	1	CSW 6		1								X	-				
1:05	1	1	CSW 7		2								1					
1:10			CSW 8		3								\parallel					
1:15			CSW 9		14													
1:20			CSW 10		5													
1:25			08W 11		6													
1:30			CSW 12		7													
1:35			CSW 13		8													
1:40			19w 14		9													
1:45		11	CSW 15		10													
Additional Instru	uctions:			20829671														
I, (field sampler), attest date or time of collection				am aware that tampering with or intentionally misla	na Benau	le loca	tion,									received on ice the da n 6 °C on subsequent		pled or receive
Relinquished by: (Signature)	mature)	id 3	70 30 Time	Received by: (8 gnature)	Date 3		Time.	_	5	Rec	eive	ed on ice:		Lab (Jse O N	nly		
Relinquished by: (Sig		O B	30	15 Received by (Signature) Litu	10/3/	22	_	:00		<u>T1</u>			<u>T2</u>					
Relinquished by: (Sig	gnature)	Dat	e Time	Received by: (Signature)	Date		Time					mp °C	4			,	* /	
The state of the s	Cd Calid C	g - Sludge, A -	Aqueous, O - Other _	unless other arrangements are made. Hazard	Contain	er Ty	pe: g -	glass	s, p -	poly/	plast	ic, ag - am	ber g	lass, v	- VO	Α		

to or disposed of at the client expense. The report for the analysis of the above or on the report.

Cenvirotech

Research

Re

		al Canda	- I	Rill To			i in the	Lal	b Use	e Onl	٧			TAT		EPA P	rogram
ient: Pima Env oject: Noeth T	nonmen	LOTE I	es	Attention: Devon Energy		Lab	WO#			Job N	lumber		2D	3D	Standard	CWA	SDWA
oject Manager:	Tom By	num		Address:		E2	209	184		00	58-0007 sis and Metho	N					RCRA
dress: 5614 N y, State, Zip H	Lovingt	on Hwy. 1 88240		City, State, Zip Phone:					Ť	-triary:	Sis and Wellio	T					1,0,0,0
one: 580-748-	1613			Email:		015	0.15								NMI CO	State UT AZ	ТтуТ
ail: tom@pir	naoil.cor	n		Pima Project # \-\175		o by 8	O by 8	8021	8260	9010	300.0	Σ×	¥		×	OT AZ	
Time Date mpled Sampled	Matrix	No. of Containers	Sample ID		Lab Numbe	DRO/ORO by 8015	GRO/DRO by 8015	втех by 8021	VOC by 8260	Metals 6010	Chloride 300.0	верос	BGDOC			Remarks	3
50 9/30/22	S	1	CSWIL		11							X					
55 1	1	1	CSW 17		12												
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:05			CSW 19		14												
			CSW 20		15							\parallel		\sqcup			
:ID			CSW 21		16							1	_				
:20			CSW 27		17							1	_				
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2:30			CSWZU		19							4	-	\sqcup			
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Additional Instru				20829671						le i	les requiring therma		ntion m	ust he take	nived on ice the de	they are sam	anled or receive
(field sampler), attes	to the validi	ty and auther	nticity of this sample. I I may be grounds for le	am aware that tampering with or intentionally n	onislabelling the sam	ple loca	tion,				ed in ice at an avg te						
Relinguished by (Si		Dat		Received by: Signature	Date	Ke	Time	3.1	15	Rec	eived on ice		lab U Y I	Ise Onl V	У	4 7 7	
Retinguished by 15		Da		Received by Signature	Date 10/3	22	Time 9	00)	T1_		<u>T2</u>			Т3		
Relinquished by: (Si	gnature)	Da		Received by: (Signature)	Date		Time	2		AVO	G Temp °C	4					1
	Sd - Solid S	g - Sludge A	- Aqueous, O - Other _	unless other arrangements are made. Haz	Contai	ner Ty	pe: g -	glass	, p - p	ooly/p	olastic, ag - an	ber gl	ass, v	- VOA			

Project Information

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Chain of Custody

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Page	of \

Received by OCD: 11/8/2022 9:41:35 AM

			al Canii	200		Bill To		0.0		La	b Us	e Only	V				TAT		EPA P	rogram
roject: \	ma Envir Jorda Twi Janager:	Stie 31	CTB 1		Atte	ention: DEVEN Frency ress:		Lab	wo#			Job N	umb	er 0007	1D V	2D	3D	Standard	CWA	SDWA
ddress:	5614 N.	Lovingto	on Hwy.			, State, Zip one:								Method			П			RCRA
hone: {	ty, State, Zip Hobbs, NM, 88240 none: 580-748-1613 mail: tom@pimaoil.com				Em	Email: Pima Project # - 75			by 8015	021	097	10	300.0		NM	ř		NM CO	State UT AZ	TX
Time	Date	Matrix	No. of	Sample ID		na rioject# - 15	Lab	DRO/ORO	GRO/DRO	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	BGDOC T		/	Remarks	
Sampled 2:40	9/30/22		Containers	CSW'	21.		Number 21		9	m	>	2	5		'n	-				
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Additio	nal Instru	ctions:				20829671			1		-				_	1				
					nple. I am aware	that tampering with or intentionally mis	labelling the samp	de loca	tion,									ceived on ice the day of °C on subsequent of		oled or received
Relinguis	hed by: (Sign	rature),	Da		3:17D	Received by: (Signature)	Date 7	300	Tirpe		1	Rece	eived	on ice:		Lab (Jse On N	ly		
	hed by (sig		Da	1-300	Time 4,10			122		.'Ω)	T1			<u>T2</u>			<u>T3</u>		
Relinquis	hed by: (Sig	nature)	Da	te	Time	Received by: (Signature)	Date		Time					np °C	4					- ' '
Sample M	atrix: S - Soil,	Sd - Solid, Sg	g - Sludge, A	- Aqueous, O - O	ther		Contain	er Ty	pe: g -	- glass	s, p -	poly/p	lastic	ag - am	ber gl	ass, v	- VOA			
Noto: Sa	mnles are di	scarded 30	days after	results are rep	orted unless of	her arrangements are made. Hazar vith this COC. The liability of the labo	dous samples w eratory is limited	to the	eturne amou	ed to o unt pa	id for	or dispo on the	report	t at the cl t.	ient ex	kpense	e. The	report for the ar	ialysis or th	# above



Printed: 10/3/2022 10:22:11AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	10/03/22	09:00	Work Order ID:	E209189
Phone:	(575) 631-6977	Date Logged In:	09/30/22	17:26	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	10/03/22	17:00 (0 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 mate	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: U	JPS	
4. Was th	ne COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	_		
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion	•	Yes		Comme	nts/Resolution
Sample '	Turn Around Time (TAT)	u.				
	e COC indicate standard TAT, or Expedited TAT?		Yes		Project North Thistle 3	CTB 1 has been
Sample	•				separated into multiple	reports due to
	sample cooler received?		Yes		sample volume. Worko	-
	was cooler received in good condition?		Yes		_	
•	ne sample(s) received intact, i.e., not broken?				E209186, E209187, E2	209188, E209189.
	e custody/security seals present?		Yes			
	s, were custody/security seals intact?		No			
•	•	<0.00G	NA			
	he sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes			
	visible ice, record the temperature. Actual sample t	emperature: 4-	<u>C</u>			
	<u>Container</u>					
	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			
	appropriate volume/weight or number of sample contained	ers collected?	Yes			
Field La						
	e field sample labels filled out with the minimum infor	mation:	37			
	Sample ID? Date/Time Collected?		Yes			
	Collectors name?		Yes No			
	Preservation_		NO			
	the COC or field labels indicate the samples were pro	eserved?	No			
	sample(s) correctly preserved?		NA			
	o filteration required and/or requested for dissolved mo	etals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphas	a?	No			
	s, does the COC specify which phase(s) is to be analyzed.					
		zeu:	NA			
	ract Laboratory					
	samples required to get sent to a subcontract laborator		No			
29. Was	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	o: na	
Client I	<u>Instruction</u>					
L						

Date

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: North

North Thistle 3 CTB1

Work Order:

E209188

Job Number:

01058-0007

Received:

10/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/4/22

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

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

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

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

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

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

Date Reported: 10/4/22

Tom Bynum PO Box 247

Plains, TX 79355-0247

Project Name: North Thistle 3 CTB1

Workorder: E209188

Date Received: 10/3/2022 9:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2022 9:00:00AM, under the Project Name: North Thistle 3 CTB1.

The analytical test results summarized in this report with the Project Name: North Thistle 3 CTB1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/22 15:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS 41 2'	E209188-01A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 42 2'	E209188-02A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 43 2'	E209188-03A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 44 2'	E209188-04A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 45 2'	E209188-05A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 46 2'	E209188-06A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 47 2'	E209188-07A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 48 2'	E209188-08A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 49 2'	E209188-09A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 50 2'	E209188-10A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 51 2'	E209188-11A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 52 2'	E209188-12A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 53 2'	E209188-13A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 54 2'	E209188-14A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 55 2'	E209188-15A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 1	E209188-16A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 2	E209188-17A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 3	E209188-18A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 4	E209188-19A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CSW 5	E209188-20A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CS 41 2'

E209188-01						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/02/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/02/22	
Toluene	ND	0.0250	1	10/02/22	10/02/22	
o-Xylene	ND	0.0250	1	10/02/22	10/02/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/02/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/02/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/02/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.2 %	70-130	10/02/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/03/22	
Surrogate: n-Nonane		93.3 %	50-200	10/03/22	10/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2241013
Chloride	ND	20.0	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CS 42 2'

		2207100 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	*		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/02/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/02/22	
Toluene	ND	0.0250	1	10/02/22	10/02/22	
o-Xylene	ND	0.0250	1	10/02/22	10/02/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/02/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/02/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/02/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.3 %	70-130	10/02/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/03/22	
Surrogate: n-Nonane		96.8 %	50-200	10/03/22	10/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2241013
Chloride	ND	20.0	1	10/03/22	10/03/22	·



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CS 43 2'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/02/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/02/22	
Toluene	ND	0.0250	1	10/02/22	10/02/22	
o-Xylene	ND	0.0250	1	10/02/22	10/02/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/02/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/02/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	10/02/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.6 %	70-130	10/02/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/03/22	
Surrogate: n-Nonane		93.0 %	50-200	10/03/22	10/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2241013
Chloride	ND	20.0	1	10/03/22	10/03/22	
Chloride	ND	20.0	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CS 44 2'

Analyzed 10/02/22 10/02/22 10/02/22 10/02/22	Notes Batch: 2241003
10/02/22 10/02/22 10/02/22	
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	Batch: 2241003
10/02/22	
10/02/22	
	Batch: 2241014
10/03/22	
10/03/22	
10/03/22	
	Batch: 2241013
	10/02/22 10/02/22 10/02/22 10/03/22 10/03/22



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CS 45 2'

		D .:				
	D 1:	Reporting	D.1	D 1		27.
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/02/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/02/22	
Toluene	ND	0.0250	1	10/02/22	10/02/22	
o-Xylene	ND	0.0250	1	10/02/22	10/02/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/02/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/02/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/02/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	10/02/22	10/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/03/22	
Surrogate: n-Nonane		99.5 %	50-200	10/03/22	10/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2241013
Allions by ETA 500.0/3030A						



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CS 46 2'

E209188-06						
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
p-Xylene	ND	0.0250	1	10/02/22	10/03/22	
o,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.4 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/03/22	
Surrogate: n-Nonane		96.6 %	50-200	10/03/22	10/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2241013
Chloride	ND	20.0	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CS 47 2'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.3 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/03/22	
Surrogate: n-Nonane		94.4 %	50-200	10/03/22	10/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2241013
Chloride	ND	20.0	-	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CS 48 2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.0 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		95.1 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2241013
Chloride	ND	20.0	1	10/03/22	10/03/22	_



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CS 49 2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: IY		Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.1 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		94.8 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: KL		Batch: 2241013
Chloride	ND	20.0	1	10/03/22	10/03/22	

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CS 50 2'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.6 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		95.8 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2241013
Chloride	ND	20.0	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CS 51 2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.6 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		88.6 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2241013
Chloride	ND	20.0	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CS 52 2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.5 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		98.4 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: KL		Batch: 2241013
Chloride	ND	20.0	1	10/03/22	10/03/22	

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CS 53 2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.2 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		106 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2241013
· ·	ND	20.0		10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CS 54 2'

		ъ.				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.7 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		103 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2241013
Chloride	ND	20.0	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.6 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		101 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: KL		Batch: 2241013
Chloride	ND	20.0	1	10/03/22	10/03/22	
	_					



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CSW 1

		D (:				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilution	riepared	Analyzed	inotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.6 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		84.4 %	50-200	10/03/22	10/04/22	
	ma/ka	mg/kg	Anal	yst: KL		Batch: 2241013
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1 11101	Jour 122		Buten: 22 :1015



Nonhalogenated Organics by EPA 8015D - DRO/ORO

Released to Imaging: 2/3/2023 12:30:24 PM

Diesel Range Organics (C10-C28)

Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

Batch: 2241014

Batch: 2241013

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CSW 2 E209188-17

Reporting Analyte Result Limit Dilution Prepared Analyzed Notes Analyst: IY Batch: 2241003 mg/kg mg/kg Volatile Organics by EPA 8021B 10/02/22 10/03/22 ND 0.0250 Benzene 1 10/02/22 10/03/22 Ethylbenzene ND 0.0250ND 0.02501 10/02/22 10/03/22 Toluene 1 10/02/22 10/03/22 o-Xylene ND 0.02501 10/02/22 10/03/22 ND 0.0500 p,m-Xylene 10/03/22 10/02/22 1 Total Xylenes ND 0.025010/02/22 10/03/22 102 % 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: IY Batch: 2241003 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 10/02/22 10/03/22 ND 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 86.0 % 10/02/22 10/03/22 70-130

mg/kg

25.0

50.0

mg/kg

20.0

100 %

Analyst: JL

Analyst: KL

1

1

50-200

10/03/22

10/03/22

10/03/22

10/03/22

10/04/22

10/04/22

10/04/22

10/03/22

mg/kg

ND

ND

mg/kg

ND

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CSW 3

		D .:				
Austra	Result	Reporting Limit	Dilution	D 1	A l	Nister
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Analyst: IY			Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.9 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		102 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg mg/kg		Anal	Analyst: KL		Batch: 2241013
imions by Elite Colors Cooli						



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CSW 4

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Ana	Analyst: IY		Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.2 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		105 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2241013
	ND	20.0		10/03/22	10/03/22	·



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

CSW 5

E209188-20

		D .:				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilution	riepared	Analyzed	inotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2241003
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2241003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.1 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2241014
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		98.6 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2241013



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

Plains TX, 79355-0247		Project Number:		m Bynum					10/4/2022 3:31:11PM
	Volatile Organics by EPA 8021B						Analyst: IY		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241003-BLK1)							Prepared:	10/02/22	Analyzed: 10/03/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			
LCS (2241003-BS1)							Prepared:	10/02/22	Analyzed: 10/03/22
Benzene	5.01	0.0250	5.00		100	70-130			
Ethylbenzene	4.13	0.0250	5.00		82.5	70-130			
Toluene	4.38	0.0250	5.00		87.6	70-130			
o-Xylene	4.20	0.0250	5.00		84.0	70-130			
p,m-Xylene	8.37	0.0500	10.0		83.7	70-130			
Total Xylenes	12.6	0.0250	15.0		83.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		102	70-130			
LCS Dup (2241003-BSD1)							Prepared:	10/02/22	Analyzed: 10/03/22
Benzene	5.49	0.0250	5.00		110	70-130	9.12	20	
Ethylbenzene	4.54	0.0250	5.00		90.7	70-130	9.46	20	
Toluene	4.81	0.0250	5.00		96.1	70-130	9.24	20	
o-Xylene	4.62	0.0250	5.00		92.5	70-130	9.57	20	
p,m-Xylene	9.20	0.0500	10.0		92.0	70-130	9.42	20	
			150		02.2	70-130	9.47	20	
Total Xylenes	13.8	0.0250	15.0		92.2	/0-130	9.47	20	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

Plains TX, 79355-0247		Project Number: Project Manager		m Bynum					10/4/2022 3:31:11PM
	Non	halogenated (Organics l	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241003-BLK1)							Prepared: 10	0/02/22	Analyzed: 10/03/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.50		8.00		81.2	70-130			
LCS (2241003-BS2)							Prepared: 1	0/02/22	Analyzed: 10/03/22
Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.83		8.00		85.4	70-130			
LCS Dup (2241003-BSD2)							Prepared: 1	0/02/22	Analyzed: 10/03/22
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0		97.6	70-130	5.69	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.78		8.00		84.8	70-130			

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:31:11PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				1	0/4/2022 3:31:11PM
	Nonhal	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241014-BLK1)							Prepared: 1	0/03/22 An	alyzed: 10/03/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	51.5		50.0		103	50-200			
LCS (2241014-BS1)							Prepared: 1	0/03/22 An	alyzed: 10/03/22
Diesel Range Organics (C10-C28)	221	25.0	250		88.3	38-132			
Gurrogate: n-Nonane	46.1		50.0		92.3	50-200			
Matrix Spike (2241014-MS1)				Source:	E209188-	14	Prepared: 1	0/03/22 An	alyzed: 10/03/22
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.6	38-132			
urrogate: n-Nonane	44.4		50.0		88.8	50-200			
Matrix Spike Dup (2241014-MSD1)				Source:	E209188-	14	Prepared: 1	0/03/22 An	alyzed: 10/03/22
Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.5	38-132	2.35	20	
Gurrogate: n-Nonane	40.6		50.0		81.1	50-200			



Chloride

Chloride

LCS Dup (2241013-BSD1)

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	0	forth Thistle 3 1058-0007 om Bynum	CTB1				Reported: 10/4/2022 3:31:11PM
		Anions l	by EPA	300.0/9056 <i>A</i>	A				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241013-BLK1)							Prepared: 1	0/03/22 A	nalyzed: 10/03/22
Chloride	ND	20.0							
LCS (2241013-BS1)							Prepared: 1	0/03/22 A	nalyzed: 10/03/22

250

250

253

253

20.0

20.0

101

101

90-110

90-110

0.0288

Prepared: 10/03/22 Analyzed: 10/03/22

QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/22 15:31

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



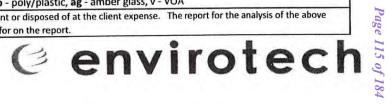
Project Information

hain	of	Custo	a

5	0
Page	_ of

Received by OCD: 11/8/2022 9:41:35 AM

D			al Consid	200	Bill To			The same	La	b Us	e Onl	V	L E.F			TA	T	EPA PI	rogram
Project: 1	ma Envi	iskle 2	CTA	,es_	Attention: DEVON ENERGY		Lab	WO#			Job N	lumb	er _	1D	2D	3D	Standard	CWA	SDWA
	lanager:				Address:		E2	09	182	8	0109	58-	0007	X					0.00
	5614 N.				City, State, Zip						Analys	is an	d Metho	d					RCRA
	e, Zip Ho				Phone:													State	
Phone: 5	80-748-	1613			Email:		3015	8015								1 1	NMI CO	UT AZ	ТхІ
	om@pin	aoil.cor	n		Pima Project # -\75		by 8	by 8	8021	260	92	300.0		Σ×	¥	1 1	VI CO	OI AL	1"
Report d			_		1	Lab	l Se	/DRC	by 8	by 8	3ls 60	Chloride 300.0		8	N		~ 1	5	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Number	DRO/ORO by 8015	GRO/DRO by	втех by	VOC by 8260	Metals 6010	Chlo		BGDOC	верос	\vdash		Remarks	
11:20	9/30/22	S	1	CS 41 7	21	1								X					
11:25		1	1	CS 42 2	2'	2													
11:30				CS 43	2'	3													
11:35				CS 44 -	2'	4													
11:40				CS 45	7.'	5													
11:45				03 46	ζ'	6													
11:50				08 47 ·	Σ'	7									\perp				
11:55				ns 48	2'	8													
12:00				CS 49.	2'	9													
12:05				CS 50	2'	10													
Addition	nal Instru				20929671														
				nticity of this sample. I I may be grounds for le	am aware that tampering with or intentionally mis	labelling the samp	ole loca				Sampl	d in ice	airing therma at an avg ter	mp abov	e O but	less than	ceived on ice the da 6°C on subsequent	they are sam lays.	oled or received
	hed by: (Sign				Received by: (Signature)	Pate 2	20	Time	3,		Rec	eive	d on ice		Lab I	Jse Or N	nly		
Reliquis	hed by: (Sign	nature)	Dar	Time Time	16 Received by Bignature	_ 10/3	122	_	3:0	0	T1	0,11	2 10	<u>T2</u>		1	ТЗ	p <u>i</u>	
Relinquis	hed by: (Sign	nature)	Da	te Time	Received by: (Signature)	Date		Time					mp °C					. 1 	
Sample M	atrix: 5 - Soil	Sd - Solid Se	g - Sludge, A -	- Aqueous, O - Other		Contain	er Ty	pe: g -	glas	s, p -	poly/p	lasti	c, ag - am	ber g	lass, v	- VOA			
Mate, Co.	malor are di	carded 30	days after	results are reported	unless other arrangements are made. Hazar	dous samples w	ill be i	eturne	ed to	client	or disp	osed	of at the c	lient e	xpens	e. The	report for the a	nalysis of th	e above
samples	is applicable	only to the	ose sample:	received by the lab	oratory with this COC. The liability of the labo	ratory is limited	to the	amou	unt pa	id for	on the	repo	rt.		_				



Client: Pima En	vironmen	tal Servi	res T	Bill To				Lal	b Us	e Only	,				TAT		EPA P	rogram
Project: North	Thistle:	3 CTBI		Attention: DEVON ENE	rgy	Lab	wo# 1991			Job N	umber	77	1D	2D	3D	Standard	CWA	SDWA
Project Manager Address: 5614 N	: Tom By	num		Address: City, State, Zip	(Feb.)	E	170	80			is and N		K d					RCRA
City, State, Zip				Phone:								T						
Phone: 580-748	3-1613			Email:		015	015									NM CO	State UT AZ	TVI
Email: tom@p Report due by:	imaoil.co	m		Pima Project # 1-17	5	O by 8	O by 8	8021	8260	010	300.0		×	녿		×	UI AL	1^
Time Date Sampled Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	ВСБОС			Remarks	
12:10 9/30/2	2 S	1	CS 51	2'	11								×					
12:15	1	1	08 52	2'	12								1					
12:20			CS 53	2'	13													
12:25			CS 54	2'	14								\parallel	_				
12:30			CS 55	2'	15								1					
12:35			CSW 1		16								1					
12:40			15W Z		17													
12:45			CSW 3		18													
12:50			CSW 4		19								1					
12:55			CSW 5		20								1					
Additional Insti	uctions:			20829671														
I, (field sampler), atte				I am aware that tampering with or intention	onally mislabelling the samp	ole loca	tion,									eived on ice the day °C on subsequent o		oled or receive
Relinquished by: (S	ignature)		7·30·23 Time	- Received by: (Signature)	_ 93c	0	Time	Sil	5	Rece	eived o	n ice:	(Lab U	Jse Onl N	y		
Relinquished by (S	ignature)	- 5 3	-3202 4	115 Cather Ch	2h 1013	22		:0	0	T1_		1	<u>T2</u>			<u>T3</u>		
Relinquished by: (S	ignature)	Da	te Time	Received by: (Signature)	Date		Time			AVG	Temp	°c_'	4					
Sample Matrix: 5 - So	il, Sd - Solid, S	g - Sludge, A	- Aqueous, O - Other _		Contain	er Ty	oe: g -	glass	, p -	poly/pl	astic, ag	- am	ber gl	ass, v	- VOA	A fo 1	aborie - fet	a aba
Note: Samples are	discarded 30	days after	results are reported	d unless other arrangements are made boratory with this COC. The liability of	 Hazardous samples w the laboratory is limited 	to the	eturned	d to cl nt paid	ilent i	or dispo	sed of al report.	the cl	ient e	xpense	. The fi	eport for the ar	iaiysis ui tii	e above
samples is applicat	ne only to th	ose sample:	received by the lat	solution With this cool the hability of		_			-						-			

to or disposed of at the client expense. The report for the analysis of the above or on the report.

Cenvirotech

Page 117 of 184

Printed: 10/3/2022 10:13:18AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Phone: Email:	(575) 631-6977					
		Date Logged In:	09/30/22 17:	23	Logged In By: A	lexa Michaels
Linaii.		Due Date:		00 (0 day TAT)	Doggod in Dy.	
Chain of (Custody (COC)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location mate	h the COC				
	mples dropped off by client or carrier?	n une coc	Yes Yes	Comion I	ine	
	COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	Carrier: <u>U</u>	<u>013</u>	
	I samples received within holding time?	ca anaryses.	Yes			
5. West ax	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		165		Comments/R	<u>esolution</u>
Sample Tu	urn Around Time (TAT)					TD 1.1
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Project North Thistle 3 CT	
Sample Co	<u>ooler</u>				separated into multiple rep	orts due to
7. Was a sa	ample cooler received?		Yes		sample volume.Workorder	s are as follows:
8. If yes, v	vas cooler received in good condition?		Yes		E209186, E209187, E209	
9. Was the	sample(s) received intact, i.e., not broken?		Yes		L207100, L207107, L207	100, L207107.
10. Were c	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
12. Was the	sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling		Yes			
13. If no v	isible ice, record the temperature. Actual sample t	emperature: 4°0	<u>C</u>			
Sample Co	<u>ontainer</u>					
14. Are aq	ueous VOC samples present?		No			
15. Are V0	OC samples collected in VOA Vials?		NA			
16. Is the h	nead space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	trip blank (TB) included for VOC analyses?		NA			
18. Are no	n-VOC samples collected in the correct containers?		Yes			
19. Is the a	ppropriate volume/weight or number of sample contained	ers collected?	Yes			
Field Lab	<u>el</u>					
	ield sample labels filled out with the minimum infor	mation:				
	mple ID?		Yes			
	nte/Time Collected?		Yes	•		
	reservation		No			
	he COC or field labels indicate the samples were pro	eserved?	No			
	mple(s) correctly preserved?	scivea:	NA			
	filteration required and/or requested for dissolved mo	etale?	No			
		, mis.	110			
	se Sample Matrix	. 0				
	he sample have more than one phase, i.e., multiphase		No			
27. If yes,	does the COC specify which phase(s) is to be analyzed	zed?	NA			
Subcontra	act Laboratory					
	mples required to get sent to a subcontract laborator		No			
29. Was a	subcontract laboratory specified by the client and if	so who?	NA S	ubcontract Lab	: na	
Client Ins	struction_					
						1
1						
1						
1						

Date

Report to: Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: North Thistle 3 CTB1

Work Order: E209187

Job Number: 01058-0007

Received: 10/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/4/22

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

Date Reported: 10/4/22

Tom Bynum PO Box 247

Plains, TX 79355-0247

Project Name: North Thistle 3 CTB1

Workorder: E209187

Date Received: 10/3/2022 9:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2022 9:00:00AM, under the Project Name: North Thistle 3 CTB1.

The analytical test results summarized in this report with the Project Name: North Thistle 3 CTB1 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,

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Reported:			
PO Box 247	Project Number:	01058-0007	Reported:		
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/22 15:27		

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS 21 2'	E209187-01A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 22 2'	E209187-02A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 23 2'	E209187-03A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 24 2'	E209187-04A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 25 2'	E209187-05A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 26 2'	E209187-06A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 27 2'	E209187-07A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 28 2'	E209187-08A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 29 2'	E209187-09A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 30 2'	E209187-10A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 31 2'	E209187-11A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 32 2'	E209187-12A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 33 2'	E209187-13A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 34 2'	E209187-14A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 35 2'	E209187-15A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 36 2'	E209187-16A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 37 2'	E209187-17A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 38 2'	E209187-18A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 39 2'	E209187-19A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 40 2'	E209187-20A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 21 2' E209187-01

		E207107-01					
	D 1	Reporting	ъ.,				N.
Analyte	Result	Limit	Dilt	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2241002
Benzene	ND	0.0250		1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250		1	10/02/22	10/03/22	
Toluene	ND	0.0250		1	10/02/22	10/03/22	
o-Xylene	ND	0.0250		1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500		1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		96.4 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.2 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		96.4 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.2 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0		1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0		1	10/03/22	10/03/22	
Surrogate: n-Nonane		101 %	50-200		10/03/22	10/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2241016
Chloride	ND	20.0		1	10/03/22	10/03/22	_



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 22 2'

E209187-02

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2241002
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130	10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	10/02/22	10/03/22	
Surrogate: Toluene-d8		97.2 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130	10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	10/02/22	10/03/22	
Surrogate: Toluene-d8		97.2 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/03/22	
Surrogate: n-Nonane		101 %	50-200	10/03/22	10/03/22	
	mg/kg	mg/kg	A	Analyst: KL		Batch: 2241016
Anions by EPA 300.0/9056A	mg/kg	mg ng				Battern: 22 11010

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 23 2'

E209187-03

		2207107.00					
	D 1	Reporting		.·	D 1		N
Analyte	Result	Limit	Dili	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241002
Benzene	ND	0.0250		1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250		1	10/02/22	10/03/22	
Toluene	ND	0.0250		1	10/02/22	10/03/22	
o-Xylene	ND	0.0250		1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500		1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		93.7 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		95.5 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		93.7 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		95.5 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0		1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0		1	10/03/22	10/03/22	
Surrogate: n-Nonane		98.2 %	50-200		10/03/22	10/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2241016
Chloride	ND	20.0		1	10/03/22	10/03/22	

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 24 2'

E209187-04

		Reporting					
Analyte	Result	Limit	Dilu	tion Prep	ared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2241002
Benzene	ND	0.0250	1	10/0	2/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/0	2/22	10/03/22	
Toluene	ND	0.0250	1	10/0	2/22	10/03/22	
o-Xylene	ND	0.0250	1	10/0	2/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/0	2/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/0)2/22	10/03/22	
Surrogate: Bromofluorobenzene		94.9 %	70-130	10/0	02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	10/0	02/22	10/03/22	
Surrogate: Toluene-d8		95.3 %	70-130	10/0	02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/0	2/22	10/03/22	
Surrogate: Bromofluorobenzene		94.9 %	70-130	10/0	02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	10/0	02/22	10/03/22	
Surrogate: Toluene-d8		95.3 %	70-130	10/0	02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL			Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0	1	10/0	3/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/0	3/22	10/04/22	
Surrogate: n-Nonane		101 %	50-200	10/0	03/22	10/04/22	
	mg/kg	mg/kg	,	Analyst: KL			Batch: 2241016
Anions by EPA 300.0/9056A	mg/Kg	mg/kg					Buten: 22 :1010

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 25 2'

E209187-05

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2241002
Benzene	ND	0.0250		1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250		1	10/02/22	10/03/22	
Toluene	ND	0.0250		1	10/02/22	10/03/22	
o-Xylene	ND	0.0250		1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500		1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		96.0 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.0 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		96.0 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.0 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: ЛL		Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0	•	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0		1	10/03/22	10/04/22	
Surrogate: n-Nonane		100 %	50-200		10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2241016
Chloride	ND	20.0		1	10/03/22	10/03/22	
Anions by EPA 300.0/9056A Chloride						10/03/22	Batch



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 26 2'

		E209187-06					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241002
Benzene	ND	0.0250	1	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		98.3 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		98.4 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		98.3 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		98.4 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0	1	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	10/03/22	10/04/22	
Surrogate: n-Nonane		98.0 %	50-200		10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2241016
Chloride	ND	20.0	1	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 27 2'

E209187-07

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2241002
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		93.9 %	70-130	10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	10/02/22	10/03/22	
Surrogate: Toluene-d8		94.6 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		93.9 %	70-130	10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	10/02/22	10/03/22	
Surrogate: Toluene-d8		94.6 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		105 %	50-200	10/03/22	10/04/22	
	mg/kg	mg/kg	,	Analyst: KL		Batch: 2241016
Anions by EPA 300.0/9056A	mg/kg	mg ng				Butch: 22 11010



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 28 2'

		E209187-08					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241002
Benzene	ND	0.0250		1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250		1	10/02/22	10/03/22	
Toluene	ND	0.0250		1	10/02/22	10/03/22	
o-Xylene	ND	0.0250		1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500		1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.8 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		97.7 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.8 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		97.7 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0		1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0		1	10/03/22	10/04/22	
Surrogate: n-Nonane		97.6 %	50-200		10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2241016

20.0

10/03/22

10/03/22

ND



Chloride

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 29 2'

E209187-09	
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		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2241002
Benzene	ND	0.0250		1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250		1	10/02/22	10/03/22	
Toluene	ND	0.0250		1	10/02/22	10/03/22	
o-Xylene	ND	0.0250		1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500		1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.4 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		95.6 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.4 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		95.6 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: ЛL		Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0		1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0		1	10/03/22	10/04/22	
Surrogate: n-Nonane		93.5 %	50-200		10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2241016
		20.0			10/03/22	10/03/22	

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 30 2' E209187-10

Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	•		Batch: 2241002
Benzene	ND	0.0250		1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250		1	10/02/22	10/03/22	
Toluene	ND	0.0250		1	10/02/22	10/03/22	
o-Xylene	ND	0.0250		1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500		1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		91.6 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		94.5 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		91.6 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		94.5 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0		1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0		1	10/03/22	10/04/22	
Surrogate: n-Nonane		91.7 %	50-200		10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2241016
Chloride	ND	20.0		1	10/03/22	10/03/22	

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 31 2' E209187-11

		220710711					
Analyte	Result	Reporting Limit	ויט	lution	Prepared	Analyzed	Notes
			Dii		•	Allalyzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2241002
Benzene	ND	0.0250		1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250		1	10/02/22	10/03/22	
Toluene	ND	0.0250		1	10/02/22	10/03/22	
o-Xylene	ND	0.0250		1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500		1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		96.6 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		95.5 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		96.6 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		95.5 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0		1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0		1	10/03/22	10/04/22	
Surrogate: n-Nonane		97.1 %	50-200		10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2241016
Chloride	ND	20.0		1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 32 2'

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E2	091	87	-12

					Reporting		
Notes	Analyzed	Prepared	lution	Di	Limit	Result	Analyte
atch: 2241002			Analyst: IY		mg/kg	mg/kg	olatile Organic Compounds by EPA 8260B
	10/03/22	10/02/22	1		0.0250	ND	Benzene
	10/03/22	10/02/22	1		0.0250	ND	thylbenzene
	10/03/22	10/02/22	1		0.0250	ND	oluene
	10/03/22	10/02/22	1		0.0250	ND	-Xylene
	10/03/22	10/02/22	1		0.0500	ND	,m-Xylene
	10/03/22	10/02/22	1		0.0250	ND	otal Xylenes
	10/03/22	10/02/22		70-130	94.3 %		urrogate: Bromofluorobenzene
	10/03/22	10/02/22		70-130	99.0 %		urrogate: 1,2-Dichloroethane-d4
	10/03/22	10/02/22		70-130	96.1 %		urrogate: Toluene-d8
atch: 2241002			Analyst: IY		mg/kg	mg/kg	Nonhalogenated Organics by EPA 8015D - GRO
	10/03/22	10/02/22	1		20.0	ND	Gasoline Range Organics (C6-C10)
	10/03/22	10/02/22		70-130	94.3 %		urrogate: Bromofluorobenzene
	10/03/22	10/02/22		70-130	99.0 %		urrogate: 1,2-Dichloroethane-d4
	10/03/22	10/02/22		70-130	96.1 %		urrogate: Toluene-d8
atch: 2241012			Analyst: JL		mg/kg	mg/kg	Jonhalogenated Organics by EPA 8015D - DRO/ORO
	10/04/22	10/03/22	1		25.0	ND	viesel Range Organics (C10-C28)
	10/04/22	10/03/22	1		50.0	ND	Dil Range Organics (C28-C36)
	10/04/22	10/03/22		50-200	101 %		urrogate: n-Nonane
atch: 2241016			Analyst: KL		mg/kg	mg/kg	anions by EPA 300.0/9056A
	10/03/22	10/03/22	1		20.0	ND	Chloride
a			Analyst: KL	50-200	mg/kg		anions by EPA 300.0/9056A



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 33 2'

		E209187-13					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241002
Benzene	ND	0.0250		1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250		1	10/02/22	10/03/22	
Toluene	ND	0.0250		1	10/02/22	10/03/22	
o-Xylene	ND	0.0250		1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500		1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.2 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.1 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.2 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.1 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0	·	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0		1	10/03/22	10/04/22	
Surrogate: n-Nonane		101 %	50-200		10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2241016

20.0

10/03/22

10/03/22

ND



Chloride

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 34 2' E209187-14

		120/10/ 11				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
		mg/kg		Analyst: IY	1 11111) 200	Batch: 2241002
Volatile Organic Compounds by EPA 8260B	mg/kg		1	10/02/22	10/03/22	Batch. 2241002
Benzene	ND	0.0250	1			
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		93.9 %	70-130	10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	10/02/22	10/03/22	
Surrogate: Toluene-d8		96.8 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		93.9 %	70-130	10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	10/02/22	10/03/22	
Surrogate: Toluene-d8		96.8 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: JL		Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/04/22	
Surrogate: n-Nonane		102 %	50-200	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: KL		Batch: 2241016
Chloride	ND	20.0	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 35 2'

		E209187-15					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2241002
Benzene	ND	0.0250		1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250		1	10/02/22	10/03/22	
Toluene	ND	0.0250		1	10/02/22	10/03/22	
o-Xylene	ND	0.0250		1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500		1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		99.3 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.3 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		99.3 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.3 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: Л		Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0	•	1	10/03/22	10/04/22	_
Oil Range Organics (C28-C36)	ND	50.0		1	10/03/22	10/04/22	
Surrogate: n-Nonane		97.1 %	50-200		10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2241016
Chloride	ND	20.0		1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 36 2' E209187-16

		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241002
Benzene	ND	0.0250		1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250		1	10/02/22	10/03/22	
Toluene	ND	0.0250		1	10/02/22	10/03/22	
o-Xylene	ND	0.0250		1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500		1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		94.5 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.8 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		94.5 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.8 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0		1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0		1	10/03/22	10/04/22	
Surrogate: n-Nonane		101 %	50-200	·	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2241016
Chloride	ND	20.0		1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 37 2'

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		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2241002
Benzene	ND	0.0250	1		10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	Į.	10/02/22	10/03/22	
Toluene	ND	0.0250	1	Į.	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	Į.	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	Į.	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	ļ	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.6 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.2 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0	1		10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.6 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.2 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL			Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0	1		10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	10/03/22	10/04/22	
Surrogate: n-Nonane		95.8 %	50-200		10/03/22	10/04/22	
	п			Analyst: KI			Batch: 2241016
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Allalyst. KI	-		Batch. 2241010

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 38 2'

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		Reporting					
Analyte	Result	Limit	Dilut	tion Prep	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY			Batch: 2241002
Benzene	ND	0.0250	1	10/0	02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/0	02/22	10/03/22	
Toluene	ND	0.0250	1	10/0	02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/0	02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/0	02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/0)2/22	10/03/22	
Surrogate: Bromofluorobenzene		95.5 %	70-130	10/0	02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	10/0	02/22	10/03/22	
Surrogate: Toluene-d8		95.7 %	70-130	10/0	02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/0	02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.5 %	70-130	10/0	02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	10/0	02/22	10/03/22	
Surrogate: Toluene-d8		95.7 %	70-130	10/0	02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0	1	10/0	03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/0	03/22	10/04/22	
Surrogate: n-Nonane	·	97.9 %	50-200	10/0	03/22	10/04/22	
	mg/kg	mg/kg	,	Analyst: KL			Batch: 2241016
Anions by EPA 300.0/9056A	mg/kg	mg ng					Battern: 22 11010

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 39 2'

		E209187-19					
		Reporting					
Analyte	Result	Limit	Dilut	tion Pre	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2241002
Benzene	ND	0.0250	1	10/0	02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/0	02/22	10/03/22	
Toluene	ND	0.0250	1	10/0	02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/0	02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/0	02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/0	02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.1 %	70-130	10/0	02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	10/0	02/22	10/03/22	
Surrogate: Toluene-d8		97.5 %	70-130	10/0	02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	F	Analyst: IY			Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/0	02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.1 %	70-130	10/0	02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	10/0	02/22	10/03/22	
Surrogate: Toluene-d8		97.5 %	70-130	10/0	02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	F	Analyst: JL			Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0	1	10/0	03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/0	03/22	10/04/22	
Surrogate: n-Nonane		97.3 %	50-200	10/0	03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	F	Analyst: KL			Batch: 2241016



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:27:23PM

CS 40 2' E209187-20

		1207107-20					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
,							
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241002
Benzene	ND	0.0250	1	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		94.9 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.4 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241002
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		94.9 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.4 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2241012
Diesel Range Organics (C10-C28)	ND	25.0	1	1	10/03/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	10/03/22	10/04/22	
Surrogate: n-Nonane		98.3 %	50-200	·	10/03/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2241016
Chloride	ND	20.0	1	1	10/03/22	10/03/22	

Pima Environmental Services-CarlsbadProject Name:North Thistle 3 CTB1Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum10/4/2022 3:27:23PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				10	/4/2022 3:27:23PN
	Vo	olatile Organ	ic Compo	unds by EI	PA 82601	В			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 (2241002-BLK1)							Prepared: 10	0/02/22 Anal	yzed: 10/02/22
Benzene	ND	0.0250							
thylbenzene	ND	0.0250							
oluene	ND	0.0250							
-Xylene	ND	0.0250							
,m-Xylene	ND	0.0500							
otal Xylenes	ND	0.0250							
urrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130			
urrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
'urrogate: Toluene-d8	0.475		0.500		94.9	70-130			
LCS (2241002-BS1)							Prepared: 10	0/02/22 Anal	yzed: 10/03/22
Benzene	2.15	0.0250	2.50		86.0	70-130			
Ethylbenzene	2.09	0.0250	2.50		83.6	70-130			
oluene	2.08	0.0250	2.50		83.4	70-130			
-Xylene	2.11	0.0250	2.50		84.6	70-130			
,m-Xylene	4.20	0.0500	5.00		84.1	70-130			
Total Xylenes	6.32	0.0250	7.50		84.2	70-130			
'urrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
urrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
'urrogate: Toluene-d8	0.475		0.500		95.0	70-130			
LCS Dup (2241002-BSD1)							Prepared: 10	0/02/22 Anal	yzed: 10/03/22
Benzene	2.06	0.0250	2.50		82.5	70-130	4.18	23	
thylbenzene	1.95	0.0250	2.50		77.9	70-130	7.11	27	
oluene	1.94	0.0250	2.50		77.5	70-130	7.36	24	
-Xylene	1.98	0.0250	2.50		79.2	70-130	6.54	27	
,m-Xylene	3.93	0.0500	5.00		78.6	70-130	6.78	27	
Total Xylenes	5.91	0.0250	7.50		78.8	70-130	6.70	27	
urrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			

0.500

70-130

0.468



Surrogate: Toluene-d8

Pima Environmental Services-CarlsbadProject Name:North Thistle 3 CTB1Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum10/4/20223:27:23PM

Nonhalogenated Organics by	EPA 8015D - GRO
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	**
Analyst:	- 1

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

Blank (2241002-BLK1)						Prepared: 10	0/02/22 Ana	lyzed: 10/02/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.471		0.500	94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500	101	70-130			
Surrogate: Toluene-d8	0.475		0.500	94.9	70-130			
LCS (2241002-BS2)						Prepared: 10)/02/22 Ana	lyzed: 10/04/22
Gasoline Range Organics (C6-C10)	57.0	20.0	50.0	114	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500	97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500	96.0	70-130			
Surrogate: Toluene-d8	0.525		0.500	105	70-130			
LCS Dup (2241002-BSD2)						Prepared: 10)/02/22 Ana	lyzed: 10/03/22
Gasoline Range Organics (C6-C10)	52.7	20.0	50.0	105	70-130	7.75	20	
Surrogate: Bromofluorobenzene	0.509		0.500	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500	96.4	70-130			
Surrogate: Toluene-d8	0.526		0.500	105	70-130			



Pima Environmental Services-CarlsbadProject Name:North Thistle 3 CTB1Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum10/4/20223:27:23PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					10/4/2022 3:27:23PN
	Nonhal	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241012-BLK1)							Prepared: 1	0/03/22 Ar	nalyzed: 10/03/22
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	54.1		50.0		108	50-200			
LCS (2241012-BS1)							Prepared: 1	0/03/22 Ar	nalyzed: 10/03/22
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	52.1		50.0		104	50-200			
Matrix Spike (2241012-MS1)				Source:	E209187-	05	Prepared: 1	0/03/22 Ar	nalyzed: 10/03/22
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132			
urrogate: n-Nonane	50.9		50.0		102	50-200			
Matrix Spike Dup (2241012-MSD1)				Source:	E209187-	05	Prepared: 1	0/03/22 Ar	nalyzed: 10/03/22
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132	1.09	20	
urrogate: n-Nonane	48.3		50.0		96.5	50-200			



246

245

LCS (2241016-BS1)

LCS Dup (2241016-BSD1)

Chloride

Chloride

Prepared: 10/03/22 Analyzed: 10/03/22

Prepared: 10/03/22 Analyzed: 10/03/22

20

90-110

90-110

0.383

98.5

98.2

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager	C	North Thistle 3 01058-0007 Tom Bynum	CTB1				Reported: 10/4/2022 3:27:23PM
		Anions	by EPA	300.0/9056 <i>E</i>	4				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2241016-BLK1)						F	Prepared: 1	0/03/22 A	analyzed: 10/03/22
Chloride	ND	20.0							

250

250

20.0

20.0

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



Definitions and Notes

ſ	Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
١	PO Box 247	Project Number:	01058-0007	Reported:
١	Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/22 15:27

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information

Client: Pima Environmental Services

Project: North ThisHe 3 (TB)

Address: 5614 N. Lovington Hwy.

City, State, Zip Hobbs, NM, 88240

Project Manager: Tom Bynum

Phone: 580-748-1613

Report due by:

Sampled

10:00

Email: tom@pimaoil.com

Sampled

Bill To

Attention: Devon Energy

Address:

Phone:

Email:

Sample ID

Containers

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

City, State, Zip

Pima Project #

Lab Use Only

VOC by 8260

BTEX by

Lab WO#

E 209187

GRO/DRO by 8015

DRO/ORO by 8015

Lab

Number

3

5

6

7

8

Job Number

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

01058-0007

Analysis and Method

Σ

BGDOC

10:25	CS 3	15 OS		10					- Sul
Additional Instructions:		208	379671						
I, (field sampler), attest to the validity and a				Renavidos	tion,	Samples requiring thermal packed in ice at an avg tem	preservation must be receive prabove 0 but less than 6 °C c	d on ice the day they are sam in subsequent days.	pled or receive
Relinquished by: (Signature)	Date 9/30/22	Time 3:00	Received by (Signature)	Page 300	Times: 15	Received on ice:	Lab Use Only (Y) / N		
Retinguished by: (Signature)	Date	Time 15	Received by: (Signature)	- 10/3/22	9:00	Ţ 1	<u>T2</u>	<u>T3</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C	1_		

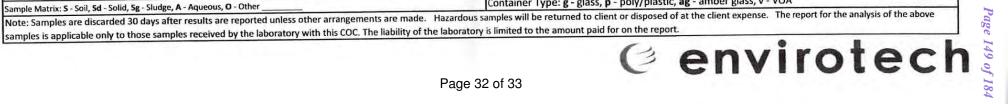
samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. @ envirotech

Note: Samples are discarded 30 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

Received by OCD: 11/8/2022 9:41:35 AM

Received by OCD: 11/8/2022 9:41:35 AM

ni ni	- F		al Canie	200	Bill To			1	La	b Us	e Onl	٧		0		TA	T	EPA P	rogram
Client: Pi	na Envi	onment	OTRI	es	Attention: DEVON ENERGY		Lab	WO#			Job N		er	1D	2D	3D	Standard	CWA	SDWA
roject M	anager:	Tom By	num		Address:		E	200	318				0007	X					
Address:	5614 N.	Lovingto	on Hwy.		City, State, Zip						Analys	sis and	d Metho	d					RCRA
City, State					Phone:										1			State	
Phone: 5	80-748-	1613			Email:		3015	8015							1	1 1	NMI CO	UT AZ	TXI
Email: to		aoil.con	n		Pima Project # -\75		DRO/ORO by 8015	by 8	3021	260	6010	Chloride 300.0		N	×		X	OI AL	1.
Report du					1 11121 13	Lab	O. S.	GRO/DRO by	BTEX by 8021	VOC by 8260	als 60	ride		8	N		-~ 1	Barrenta.	-
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Number	DRO	GRO,	BTEX	VOC	Metals	S S		верос	BGDOC			Remarks	
10:30	9/30/22	S	1	CS 31 2'		11								×	_				
10:35		1	1	ns 32 2	1	12								11					
10:40				09 33 7	r	13													The second
10:45				rs 34 2		14													
10:50				ns 35 z	,	15													
10:55				CS 310 Z		16													
11:00				ns 37 2		17								\parallel					
11:05				CS 38 2	2'	18													
11:10				CS 39 2		19								1					
11:15			1	CS 40 Z	1	20													
	al Instru	ctions:			20829671														
					n aware that tampering with or intentionally mislat	elling the samp	ole loca	tion,									eceived on ice the day 6 °C on subsequent o		pled or received
	ed by: (Sign		Dat	may be grounds for lega	Received by: (Signature)	Date /	10	Time	9 - /	_			- 0.5			Use Or	nly		
Indvi	you Pa	noul	0029	30-22		1/20	0		3:19		Rec	eived	d on ice	: (Y)	N			
Relinquish	ed by: (Sign	nature)	47	Time	Received by: (Signature)	Date / /0/2	3/22	_	:00	0	T1								
Relinquist	ed by: (Sign	nature)	Dat	te Time	Received by: (Signature)	Date		Time					np °C_	4					
Sample Ma	trix: S - Soil.	Sd - Solid, Sg	- Sludge, A -	Aqueous, O - Other		Contain	er Ty	e: g -	glass	s, p -	poly/p	lastic	, ag - an	iber g	lass, v	v - VOA	·		
Sumple 1918	1 1		dave after	secults are reported u	pless other arrangements are made. Hazardo	us samples w	rill be r	eturne	ed to c	lient	or disp	osed o	of at the o	lient e	xpens	e. The	report for the ar	nalysis of th	e above



Page 150 of 184

envirotech Inc.

Printed: 10/3/2022 10:09:28AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

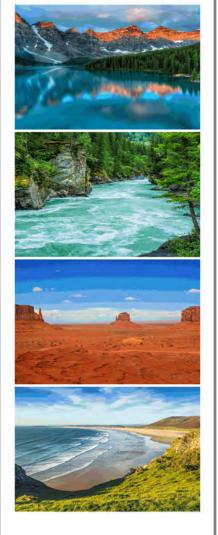
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

	P' F ' (15 ' C 11 1					
Client:	Pima Environmental Services-Carlsbad	Date Received:	10/03/22 09		Work Order ID:	E209187
Phone:	(575) 631-6977	Date Logged In:	09/30/22 1		Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	10/03/22 1	7:00 (0 day TAT)		
Chain of	Custody (COC)					
1. Does th	e sample ID match the COC?		Yes			
	e number of samples per sampling site location mat	ch the COC	Yes			
	imples dropped off by client or carrier?		Yes	Carrier: U	IPS	
4. Was the	c COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes		<u> </u>	
	l samples received within holding time?	•	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.				Comment	s/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Project North Thistle 3	CTB 1 has been
Sample C	<u>ooler</u>				separated into multiple	reports due to
7. Was a s	ample cooler received?		Yes		sample volume.Workor	ders are as follows:
8. If yes, v	was cooler received in good condition?		Yes		E209186, E209187, E20	
9. Was the	e sample(s) received intact, i.e., not broken?		Yes		E207100, E207107, E20	37100, L207107.
10. Were	custody/security seals present?		No			
	were custody/security seals intact?		NA			
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes			
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°C	C			
Sample C		•	_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers'	?	Yes			
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes			
Field Lab	el					
20. Were 1	— field sample labels filled out with the minimum info	rmation:				
Sa	imple ID?		Yes			
	ate/Time Collected?		Yes	'		
	ollectors name?		No			
	reservation	10	3.7			
	the COC or field labels indicate the samples were pr	eserved?	No			
	mple(s) correctly preserved?	antala?	NA			
	filteration required and/or requested for dissolved m	iciais?	No			
	se Sample Matrix					
	he sample have more than one phase, i.e., multipha		No			
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA			
Subcontra	act Laboratory					
28. Are sa	mples required to get sent to a subcontract laborato	ry?	No			
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab	o: na	
Client In	struction_					
				<u> </u>		

Date

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

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: North Thistle 3 CTB1

Work Order: E209186

Job Number: 01058-0007

Received: 10/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/4/22

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

Date Reported: 10/4/22

Tom Bynum PO Box 247

Plains, TX 79355-0247

Project Name: North Thistle 3 CTB1

Workorder: E209186

Date Received: 10/3/2022 9:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2022 9:00:00AM, under the Project Name: North Thistle 3 CTB1.

The analytical test results summarized in this report with the Project Name: North Thistle 3 CTB1 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,

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	Donoutoda
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/22 15:38

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS 1 2'	E209186-01A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 2 2'	E209186-02A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 3 2'	E209186-03A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 4 2'	E209186-04A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 5 2'	E209186-05A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 6 2'	E209186-06A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 7 2'	E209186-07A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 8 2'	E209186-08A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 9 2'	E209186-09A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 10 2'	E209186-10A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 11 2'	E209186-11A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 12 2'	E209186-12A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 13 2'	E209186-13A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 14 2'	E209186-14A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 15 2'	E209186-15A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 16 2'	E209186-16A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 17 2'	E209186-17A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 18 2'	E209186-18A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 19 2'	E209186-19A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.
CS 20 2'	E209186-20A	Soil	09/30/22	10/03/22	Glass Jar, 4 oz.



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 1 2' E209186-01

	E209180-01					
Pacult	Reporting	D:I	ution	Prepared	Analyzad	Notes
Result	Limit	Dil	ution	Frepared	Anaryzeu	Ivotes
mg/kg	mg/kg		Analyst	IY		Batch: 2241001
ND	0.0250		1	10/02/22	10/03/22	
ND	0.0250		1	10/02/22	10/03/22	
ND	0.0250		1	10/02/22	10/03/22	
ND	0.0250		1	10/02/22	10/03/22	
ND	0.0500		1	10/02/22	10/03/22	
ND	0.0250		1	10/02/22	10/03/22	
	97.1 %	70-130		10/02/22	10/03/22	
	95.1 %	70-130		10/02/22	10/03/22	
	107 %	70-130		10/02/22	10/03/22	
mg/kg	mg/kg		Analyst:	IY		Batch: 2241001
ND	20.0		1	10/02/22	10/03/22	
	97.1 %	70-130		10/02/22	10/03/22	
	95.1 %	70-130		10/02/22	10/03/22	
	107 %	70-130		10/02/22	10/03/22	
mg/kg	mg/kg		Analyst:	JL		Batch: 2241010
ND	25.0		1	10/03/22	10/03/22	
ND	50.0		1	10/03/22	10/03/22	
	110 %	50-200		10/03/22	10/03/22	
mg/kg	mg/kg		Analyst:	KL		Batch: 2241019
ND	20.0		1	10/03/22	10/03/22	
	ND Mg/kg ND Mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 97.1 % 95.1 % 107 % 107 % mg/kg mg/kg ND 20.0 97.1 % 95.1 % 107 % 107 % mg/kg mg/kg ND 25.0 ND 50.0 110 % mg/kg	Reporting Limit Dil mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 97.1 % 70-130 95.1 % 70-130 107 % 70-130 97.1 % 70-130 95.1 % 70-130 107 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 110 % 50-200 mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 97.1 % 70-130 95.1 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 97.1 % 70-130 107 % 95.1 % 70-130 107 % mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 110 % 50-200 mg/kg mg/kg Analyst:	Reporting Result Limit Dilution Prepared mg/kg Analyst: IY ND 0.0250 1 10/02/22 ND 0.0250 1 10/02/22 ND 0.0250 1 10/02/22 ND 0.0500 1 10/02/22 ND 0.0500 1 10/02/22 ND 0.0250 1 10/02/22 ND 70-130 10/02/22 95.1 % 70-130 10/02/22 107 % 70-130 10/02/22 mg/kg mg/kg Analyst: IY ND 20.0 1 10/02/22 95.1 % 70-130 10/02/22 95.1 % 70-130 10/02/22 107 % 70-130 10/02/22 mg/kg mg/kg Analyst: JL ND 25.0 1 10/03/22 ND 50.0 1 10/03/22 MD 50.0 1 10/03/22<	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 10/02/22 10/03/22 ND 0.0250 1 10/02/22 10/03/22 ND 0.0250 1 10/02/22 10/03/22 ND 0.0500 1 10/02/22 10/03/22 ND 0.0250 1 10/02/22 10/03/22 97.1 % 70-130 10/02/22 10/03/22 95.1 % 70-130 10/02/22 10/03/22 mg/kg mg/kg Analyst: IV ND 25.0 1 10/02/22 10/03/22 ND 50.0 1 10/03/22 10/03/22 ND 50.0 1 <t< td=""></t<>



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 2 2'

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		Reporting	Reporting							
Analyte	Result	Limit	Dilut	tion Prep	pared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2241001			
Benzene	ND	0.0250	1	10/0	02/22	10/03/22				
Ethylbenzene	ND	0.0250	1	10/0	02/22	10/03/22				
Toluene	ND	0.0250	1	10/0	02/22	10/03/22				
o-Xylene	ND	0.0250	1	10/0	02/22	10/03/22				
p,m-Xylene	ND	0.0500	1	10/0	02/22	10/03/22				
Total Xylenes	ND	0.0250	1	10/0)2/22	10/03/22				
Surrogate: Bromofluorobenzene		96.8 %	70-130	10/0	02/22	10/03/22				
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	10/0	02/22	10/03/22				
Surrogate: Toluene-d8		104 %	70-130	10/0	02/22	10/03/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2241001			
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/0	02/22	10/03/22				
Surrogate: Bromofluorobenzene		96.8 %	70-130	10/0	02/22	10/03/22				
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	10/0	02/22	10/03/22				
Surrogate: Toluene-d8		104 %	70-130	10/0	02/22	10/03/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2241010			
Diesel Range Organics (C10-C28)	ND	25.0	1	10/0	03/22	10/03/22				
Oil Range Organics (C28-C36)	ND	50.0	1	10/0	03/22	10/03/22				
Surrogate: n-Nonane	·	115 %	50-200	10/0	03/22	10/03/22				
	п			Analyst: KL			Batch: 2241019			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Allalyst. KL			Datell. 22+1017			

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 3 2'

E209186-03								
Reporting								
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241001	
Benzene	ND	0.0250	1	1	10/02/22	10/03/22		
Ethylbenzene	ND	0.0250	į	1	10/02/22	10/03/22		
Toluene	ND	0.0250	į	1	10/02/22	10/03/22		
o-Xylene	ND	0.0250	į	1	10/02/22	10/03/22		
p,m-Xylene	ND	0.0500	į	1	10/02/22	10/03/22		
Total Xylenes	ND	0.0250		1	10/02/22	10/03/22		
Surrogate: Bromofluorobenzene		97.6 %	70-130		10/02/22	10/03/22		
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		10/02/22	10/03/22		
Surrogate: Toluene-d8		104 %	70-130		10/02/22	10/03/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241001	
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/02/22	10/03/22		
Surrogate: Bromofluorobenzene		97.6 %	70-130		10/02/22	10/03/22		
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		10/02/22	10/03/22		
Surrogate: Toluene-d8		104 %	70-130		10/02/22	10/03/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	几		Batch: 2241010	
Diesel Range Organics (C10-C28)	ND	25.0		1	10/03/22	10/03/22		
Oil Range Organics (C28-C36)	ND	50.0	:	1	10/03/22	10/03/22		
Surrogate: n-Nonane		117 %	50-200		10/03/22	10/03/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2241019	
		•						

20.0

10/03/22

10/03/22

ND



Chloride

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 4 2'

		Reporting							
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY	Y		Batch: 2241001		
Benzene	ND	0.0250	1	l	10/02/22	10/03/22			
Ethylbenzene	ND	0.0250	1	l	10/02/22	10/03/22			
Toluene	ND	0.0250	1	l	10/02/22	10/03/22			
o-Xylene	ND	0.0250	1	l	10/02/22	10/03/22			
p,m-Xylene	ND	0.0500	1	l	10/02/22	10/03/22			
Total Xylenes	ND	0.0250	1	l	10/02/22	10/03/22			
Surrogate: Bromofluorobenzene		97.8 %	70-130		10/02/22	10/03/22			
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		10/02/22	10/03/22			
Surrogate: Toluene-d8		104 %	70-130		10/02/22	10/03/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: IY	Y		Batch: 2241001		
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	10/02/22	10/03/22			
Surrogate: Bromofluorobenzene		97.8 %	70-130		10/02/22	10/03/22			
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		10/02/22	10/03/22			
Surrogate: Toluene-d8		104 %	70-130		10/02/22	10/03/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JI			Batch: 2241010		
Diesel Range Organics (C10-C28)	ND	25.0	1	1	10/03/22	10/03/22			
Oil Range Organics (C28-C36)	ND	50.0	1	1	10/03/22	10/03/22			
Surrogate: n-Nonane		118 %	50-200		10/03/22	10/03/22			
				Analyst: K	ī		Batch: 2241019		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Allalyst. K	.L		Batch. 2241019		



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 5 2'

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		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY			Batch: 2241001
Benzene	ND	0.0250	1		10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1		10/02/22	10/03/22	
Toluene	ND	0.0250	1		10/02/22	10/03/22	
o-Xylene	ND	0.0250	1		10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1		10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1		10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		105 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2241001
Gasoline Range Organics (C6-C10)	ND	20.0	1		10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		105 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2241010
Diesel Range Organics (C10-C28)	ND	25.0	1		10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1		10/03/22	10/03/22	
Surrogate: n-Nonane		118 %	50-200		10/03/22	10/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: KL			Batch: 2241019
Allions by EFA 300.0/9030A							



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 6 2'

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		Reporting					
Analyte	Result	Limit	Dilut	tion I	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2241001
Benzene	ND	0.0250	1	. 1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	. 1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	. 1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	. 1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	. 1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	. 1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.8 %	70-130	1	10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	1	10/02/22	10/03/22	
Surrogate: Toluene-d8		105 %	70-130	1	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2241001
Gasoline Range Organics (C6-C10)	ND	20.0	1	. 1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		95.8 %	70-130	1	10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	1	10/02/22	10/03/22	
Surrogate: Toluene-d8		105 %	70-130	1	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL			Batch: 2241010
Diesel Range Organics (C10-C28)	ND	25.0	1	. 1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	. 1	10/03/22	10/03/22	
Surrogate: n-Nonane		112 %	50-200	1	10/03/22	10/03/22	
		_					5 1 2241010
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL			Batch: 2241019



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 7 2'

E209186-07							
Reporting							
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2241001
Benzene	ND	0.0250	1	[10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	l	10/02/22	10/03/22	
Toluene	ND	0.0250	1	l	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	[10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	l	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	l	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		97.2 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		105 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241001
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		97.2 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		105 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241010
Diesel Range Organics (C10-C28)	ND	25.0	1	1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	10/03/22	10/03/22	
Surrogate: n-Nonane		116 %	50-200		10/03/22	10/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2241019
Chloride	ND	20.0	1	1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 8 2'

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepar	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2241001
Benzene	ND	0.0250	1	10/02/	22 10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/	22 10/03/22	
Toluene	ND	0.0250	1	10/02/	22 10/03/22	
o-Xylene	ND	0.0250	1	10/02/	22 10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/	22 10/03/22	
Total Xylenes	ND	0.0250	1	10/02/	22 10/03/22	
Surrogate: Bromofluorobenzene		99.5 %	70-130	10/02/	/22 10/03/22	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	10/02/	/22 10/03/22	
Surrogate: Toluene-d8		105 %	70-130	10/02/	/22 10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: IY		Batch: 2241001
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/	22 10/03/22	
Surrogate: Bromofluorobenzene		99.5 %	70-130	10/02/	/22 10/03/22	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	10/02/	/22 10/03/22	
Surrogate: Toluene-d8		105 %	70-130	10/02/	/22 10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2241010
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/	22 10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/	22 10/03/22	
Surrogate: n-Nonane		97.7 %	50-200	10/03/	/22 10/03/22	
	mg/kg	mg/kg	A	Analyst: KL		Batch: 2241019
Anions by EPA 300.0/9056A	1116/116	88				



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 9 2'

E209186-09

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2241001
Benzene	ND	0.0250	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		97.7 %	70-130	10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	10/02/22	10/03/22	
Surrogate: Toluene-d8		104 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2241001
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		97.7 %	70-130	10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	10/02/22	10/03/22	
Surrogate: Toluene-d8		104 %	70-130	10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2241010
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/03/22	
Surrogate: n-Nonane		104 %	50-200	10/03/22	10/03/22	
A: L EDA 200 0/005/ A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2241019
Anions by EPA 300.0/9056A	2 2					



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 10 2' E209186-10

		E207100-10					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2241001
Benzene	ND	0.0250		1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250		1	10/02/22	10/03/22	
Toluene	ND	0.0250		1	10/02/22	10/03/22	
o-Xylene	ND	0.0250		1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500		1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		96.4 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		105 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2241001
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		96.4 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		105 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: ЛL		Batch: 2241010
Diesel Range Organics (C10-C28)	ND	25.0		1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0		1	10/03/22	10/03/22	
Surrogate: n-Nonane		114 %	50-200		10/03/22	10/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2241019
Chloride	ND	20.0		1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 11 2'

		E209186-11					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2241001
Benzene	ND	0.0250		1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250		1	10/02/22	10/03/22	
Toluene	ND	0.0250		1	10/02/22	10/03/22	
o-Xylene	ND	0.0250		1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500		1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		94.4 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		87.4 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		105 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2241001
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		94.4 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		87.4 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		105 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2241010
Diesel Range Organics (C10-C28)	ND	25.0		1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0		1	10/03/22	10/03/22	
Surrogate: n-Nonane		103 %	50-200		10/03/22	10/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2241019
Chloride	ND	20.0		1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 12 2'

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2241001
Benzene	ND	0.0250		1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250		1	10/02/22	10/03/22	
Toluene	ND	0.0250		1	10/02/22	10/03/22	
o-Xylene	ND	0.0250		1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500		1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		85.8 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.2 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2241001
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		85.8 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.2 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Љ		Batch: 2241010
Diesel Range Organics (C10-C28)	ND	25.0		1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0		1	10/03/22	10/03/22	
Surrogate: n-Nonane		102 %	50-200		10/03/22	10/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2241019
Chloride	ND	20.0		1	10/03/22	10/03/22	·



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 13 2'

		Reporting					
Analyte	Result	Limit	Dilut	tion Pre	epared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2241001
Benzene	ND	0.0250	1	10/	/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/	/02/22	10/03/22	
Toluene	ND	0.0250	1	10/	02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/	02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/	02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/	/02/22	10/03/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130	10/	/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		87.4 %	70-130	10/	02/22	10/03/22	
Surrogate: Toluene-d8		96.7 %	70-130	10/	/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2241001
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/	/02/22	10/03/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130	10/	/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		87.4 %	70-130	10/	/02/22	10/03/22	
Surrogate: Toluene-d8		96.7 %	70-130	10/	02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2241010
Diesel Range Organics (C10-C28)	ND	25.0	1	10/	/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/	/03/22	10/03/22	
Surrogate: n-Nonane		103 %	50-200	10/	/03/22	10/03/22	
	_			A1			Batch: 2241019
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL			Batch: 2241019



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 14 2'

	ilution P	repared .	Analyzed	Notes
	ilution P	repared	Analyzed	Notes
mg/kg	Analyst: IY			Batch: 2241001
0.0250	1 10	0/02/22	10/03/22	
0.0250	1 10	0/02/22	10/03/22	
0.0250	1 10	0/02/22	10/03/22	
0.0250	1 10	0/02/22	10/03/22	
0.0500	1 10	0/02/22	10/03/22	
0.0250	1 10	0/02/22	10/03/22	
6 70-130	10	0/02/22	10/03/22	
6 70-130	10	0/02/22	10/03/22	
70-130	10	0/02/22	10/03/22	
mg/kg	Analyst: IY			Batch: 2241001
20.0	1 10	0/02/22	10/03/22	
6 70-130	10	0/02/22	10/03/22	
6 70-130	10	0/02/22	10/03/22	
70-130	10	0/02/22	10/03/22	
mg/kg	Analyst: JL			Batch: 2241010
25.0	1 10	0/03/22	10/03/22	
50.0	1 10	0/03/22	10/03/22	
	1.	0/03/22	10/03/22	
6 50-200	10	0/03/22	10/05/22	
mg/kg	Analyst: KL		10/03/22	Batch: 2241019
/6	0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 6. 70-130 6. 70-130 mg/kg 20.0 6. 70-130 6. 70-130 6. 70-130 6. 70-130 6. 70-130	0.0250 1 10 0.0250 1 10 0.0250 1 10 0.0250 1 10 0.0500 1 10 0.0250	0.0250	0.0250 1 10/02/22 10/03/22 0.0250 1 10/02/22 10/03/22 0.0250 1 10/02/22 10/03/22 0.0500 1 10/02/22 10/03/22 0.0250 1 10/02/22 10/03/22 0.0250 1 10/02/22 10/03/22 0.0250 1 10/02/22 10/03/22 0.0250 1 10/02/22 10/03/22 0.0250 1 10/02/22 10/03/22 0.0250 1 10/02/22 10/03/22 0.0250 1 10/02/22 10/03/22 0.0250 1 10/02/22 10/03/22 0.0250 1 10/02/22 10/03/22 0.0250 1 10/02/22 10/03/22 0.0250 1 10/02/22 10/03/22 0.03/22 10/03/22 0.03/22 10/03/22 0.03/22 10/03/22 0.03/22 10/03/22 0.03/22 10/03/22 0.03/22 10/03/22 0.03/22 10/03/22 0.03/22 10/03/22 0.03/22 10/03/22 0.03/22 10/03/22 0.03/22 10/03/22 10/03/22 0.03/22 10/03/22 10/03/22 0.03/22 10/03/22 10/03/22 0.03/22 10/03/22 10/03/22



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 15 2'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2241001
Benzene	ND	0.0250	1	1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	1	10/02/22	10/03/22	
Toluene	ND	0.0250	1	1	10/02/22	10/03/22	
o-Xylene	ND	0.0250	1	1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1	1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		86.8 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		87.0 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		93.6 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2241001
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		86.8 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		87.0 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		93.6 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	ıL		Batch: 2241010
Diesel Range Organics (C10-C28)	ND	25.0	1	1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	10/03/22	10/03/22	
Surrogate: n-Nonane	·	98.9 %	50-200		10/03/22	10/03/22	
	mg/kg	mg/kg		Analyst: I	XI.		Batch: 2241019
Anions by EPA 300.0/9056A	mg/kg	mg/kg		111141) 501 1			Butch: 22 1101)

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 16 2'

		E209186-16					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2241001
Benzene	ND	0.0250		1	10/02/22	10/03/22	
Ethylbenzene	ND	0.0250		1	10/02/22	10/03/22	
Toluene	ND	0.0250		1	10/02/22	10/03/22	
o-Xylene	ND	0.0250		1	10/02/22	10/03/22	
p,m-Xylene	ND	0.0500		1	10/02/22	10/03/22	
Total Xylenes	ND	0.0250		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		97.1 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2241001
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		97.1 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: Л		Batch: 2241010
Diesel Range Organics (C10-C28)	ND	25.0	•	1	10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0		1	10/03/22	10/03/22	
Surrogate: n-Nonane		97.3 %	50-200		10/03/22	10/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2241019
Chloride	ND	20.0		1	10/03/22	10/03/22	



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 17 2'

		Reporting					
Analyte	Result	Limit	Dilu	tion Pre	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2241001
Benzene	ND	0.0250	1	10/0	02/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/0	02/22	10/03/22	
Toluene	ND	0.0250	1	10/0	02/22	10/03/22	
o-Xylene	ND	0.0250	1	10/0	02/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/0	02/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/0	02/22	10/03/22	
Surrogate: Bromofluorobenzene		96.1 %	70-130	10/0	02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		87.0 %	70-130	10/0	02/22	10/03/22	
Surrogate: Toluene-d8		115 %	70-130	10/0	02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2241001
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/0	02/22	10/03/22	
Surrogate: Bromofluorobenzene		96.1 %	70-130	10/0	02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		87.0 %	70-130	10/0	02/22	10/03/22	
Surrogate: Toluene-d8		115 %	70-130	10/0	02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2241010
Diesel Range Organics (C10-C28)	ND	25.0	1	10/0	03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/0	03/22	10/03/22	
Surrogate: n-Nonane		96.4 %	50-200	10/0	03/22	10/03/22	
		mg/kg		Analyst: KL			Batch: 2241019
Anions by EPA 300.0/9056A	mg/kg	mg/kg	,	maryst. KL			Datell. 22-1017

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 18 2'

E20			

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY			Batch: 2241001
Benzene	ND	0.0250	1		10/02/22	10/03/22	
Ethylbenzene	ND	0.0250	1		10/02/22	10/03/22	
Toluene	ND	0.0250	1		10/02/22	10/03/22	
o-Xylene	ND	0.0250	1		10/02/22	10/03/22	
p,m-Xylene	ND	0.0500	1		10/02/22	10/03/22	
Total Xylenes	ND	0.0250	1		10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		87.9 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		87.7 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.7 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2241001
Gasoline Range Organics (C6-C10)	ND	20.0	1		10/02/22	10/03/22	
Surrogate: Bromofluorobenzene		87.9 %	70-130		10/02/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4		87.7 %	70-130		10/02/22	10/03/22	
Surrogate: Toluene-d8		96.7 %	70-130		10/02/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2241010
Diesel Range Organics (C10-C28)	ND	25.0	1		10/03/22	10/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1		10/03/22	10/03/22	
Surrogate: n-Nonane		99.3 %	50-200		10/03/22	10/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL			Batch: 2241019
Allons by EPA 500.0/9050A	<u> </u>	<u> </u>					



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 19 2'

E209186-19										
	Reporting									
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2241001			
Benzene	ND	0.0250	1	. 10	0/02/22	10/03/22				
Ethylbenzene	ND	0.0250	1	10	0/02/22	10/03/22				
Toluene	ND	0.0250	1	10	0/02/22	10/03/22				
o-Xylene	ND	0.0250	1	10	0/02/22	10/03/22				
p,m-Xylene	ND	0.0500	1	. 10	0/02/22	10/03/22				
Total Xylenes	ND	0.0250	1	. 10	0/02/22	10/03/22				
Surrogate: Bromofluorobenzene		108 %	70-130	10	0/02/22	10/03/22				
Surrogate: 1,2-Dichloroethane-d4		87.6 %	70-130	10	0/02/22	10/03/22				
Surrogate: Toluene-d8		90.6 %	70-130	10	0/02/22	10/03/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2241001			
Gasoline Range Organics (C6-C10)	ND	20.0	1	. 10	0/02/22	10/03/22				
Surrogate: Bromofluorobenzene		108 %	70-130	10	0/02/22	10/03/22				
Surrogate: 1,2-Dichloroethane-d4		87.6 %	70-130	10	0/02/22	10/03/22				
Surrogate: Toluene-d8		90.6 %	70-130	10	0/02/22	10/03/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2241010			
Diesel Range Organics (C10-C28)	ND	25.0	1	10	0/03/22	10/03/22				
Oil Range Organics (C28-C36)	ND	50.0	1	. 10	0/03/22	10/03/22				
Surrogate: n-Nonane		91.8 %	50-200	10	0/03/22	10/03/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: KL			Batch: 2241019			



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

CS 20 2'

E209186-20									
Reporting									
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2241001			
Benzene	ND	0.0250	1	10/02/22	10/03/22				
Ethylbenzene	ND	0.0250	1	10/02/22	10/03/22				
Toluene	ND	0.0250	1	10/02/22	10/03/22				
o-Xylene	ND	0.0250	1	10/02/22	10/03/22				
p,m-Xylene	ND	0.0500	1	10/02/22	10/03/22				
Total Xylenes	ND	0.0250	1	10/02/22	10/03/22				
Surrogate: Bromofluorobenzene		107 %	70-130	10/02/22	10/03/22				
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	10/02/22	10/03/22				
Surrogate: Toluene-d8		75.2 %	70-130	10/02/22	10/03/22				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: IY		Batch: 2241001			
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/22	10/03/22				
Surrogate: Bromofluorobenzene		107 %	70-130	10/02/22	10/03/22				
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	10/02/22	10/03/22				
Surrogate: Toluene-d8		75.2 %	70-130	10/02/22	10/03/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: JL		Batch: 2241010			
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/22	10/03/22				
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/22	10/03/22				
Surrogate: n-Nonane		104 %	50-200	10/03/22	10/03/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: KL		Batch: 2241019			
Chloride	ND								



Pima Environmental Services-CarlsbadProject Name:North Thistle 3 CTB1Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum10/4/20223:38:10PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				10	4/2022 3:38:10PM
	Vo	olatile Organ	ic Compo	ınds by EF	A 82601	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 (2241001-BLK1)							Prepared: 10	0/02/22 Anal	yzed: 10/03/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			
LCS (2241001-BS1)							Prepared: 10	0/02/22 Anal	yzed: 10/03/22
Benzene	2.09	0.0250	2.50		83.6	70-130			
Ethylbenzene	2.06	0.0250	2.50		82.2	70-130			
Toluene	2.05	0.0250	2.50		82.1	70-130			
p-Xylene	1.97	0.0250	2.50		78.9	70-130			
o,m-Xylene	3.87	0.0500	5.00		77.4	70-130			
Total Xylenes	5.85	0.0250	7.50		77.9	70-130			
Gurrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			
LCS Dup (2241001-BSD1)							Prepared: 10	0/02/22 Anal	yzed: 10/03/22
Benzene	2.01	0.0250	2.50		80.4	70-130	3.90	23	
Ethylbenzene	2.04	0.0250	2.50		81.5	70-130	0.880	27	
Foluene	2.02	0.0250	2.50		81.0	70-130	1.35	24	
o-Xylene	1.93	0.0250	2.50		77.0	70-130	2.41	27	
p,m-Xylene	3.79	0.0500	5.00		75.9	70-130	2.03	27	
Total Xylenes	5.72	0.0250	7.50		76.3	70-130	2.16	27	
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			

0.500

0.532

70-130



Surrogate: Toluene-d8

Pima Environmental Services-CarlsbadProject Name:North Thistle 3 CTB1Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum10/4/20223:38:10PM

Manhalanasatad	O	L. EDA	001ED	CDO
Nonhalogenated	Organics	DV LPA	9012D -	GKU

Analyst	Т
Allalyst.	. 1

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

Blank (2241001-BLK1)						Prepared: 10	/02/22 Analyzed: 1	0/03/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.487		0.500	97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500	96.9	70-130			
Surrogate: Toluene-d8	0.526		0.500	105	70-130			
LCS (2241001-BS2)						Prepared: 10	/02/22 Analyzed: 1	0/03/22
Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	106	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500	97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500	98.3	70-130			
Surrogate: Toluene-d8	0.536		0.500	107	70-130			
LCS Dup (2241001-BSD2)						Prepared: 10	/02/22 Analyzed: 1	0/03/22
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	106	70-130	0.207	20	
Surrogate: Bromofluorobenzene	0.480		0.500	96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500	98.2	70-130			
Surrogate: Toluene-d8	0.530		0.500	106	70-130			



Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	Reported:
PO Box 247	Project Number:	01058-0007	-
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2022 3:38:10PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					10/4/2022 3:38:10PN		
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: JL											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2241010-BLK1)							Prepared: 1	0/03/22 A	nalyzed: 10/03/22		
Diesel Range Organics (C10-C28)	ND	25.0									
Dil Range Organics (C28-C36)	ND	50.0									
urrogate: n-Nonane	56.5		50.0		113	50-200					
LCS (2241010-BS1)							Prepared: 1	0/03/22 A	nalyzed: 10/03/22		
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132					
urrogate: n-Nonane	52.9		50.0		106	50-200					
Matrix Spike (2241010-MS1)				Source:	E209186-	17	Prepared: 1	0/03/22 A	nalyzed: 10/03/22		
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132					
urrogate: n-Nonane	52.6		50.0		105	50-200					
Matrix Spike Dup (2241010-MSD1)				Source:	E209186-	17	Prepared: 1	0/03/22 A	nalyzed: 10/03/22		
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	0.381	20			
urrogate: n-Nonane	52.6		50.0		105	50-200					



Chloride

Chloride

LCS Dup (2241019-BSD1)

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: North Thistle 3 CTB1 Project Number: 01058-0007 Project Manager: Tom Bynum							Reported: 10/4/2022 3:38:10PM
		Anions	by EPA	Analyst: KL					
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2241019-BLK1)							Prepared: 1	0/03/22 A	analyzed: 10/03/22
Chloride	ND	20.0							
LCS (2241019-BS1)							Prepared: 10	0/03/22 A	analyzed: 10/03/22

250

250

90-110

90-110

0.344

Prepared: 10/03/22 Analyzed: 10/03/22

100

101

251

251

20.0

20.0

QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	North Thistle 3 CTB1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/22 15:38

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information
Client: Pima Envir

Chain of Custody

	1	0	
Page _	1	of_	_

Received by OCD: 11/8/2022 9:41:35 AM

ent: Pima Environmental Services Bill To		10		Li	ab Us	e Onl	y				TA	T	EPA P	rogram
oject: North Thiste 3 CTBI Attention: DEVON ENERGY		Lab	WO#			Job N	lum	ber	A	2D	3D	Standard	CWA	SDWA
oject Manager: Tom Bynum Idress: 5614 N. Lovington Hwy. Address: City, State, Zip		E 2	204	18	_		_	000	X					0.004
ty, State, Zip Hobbs, NM, 88240 Phone:						Analys	sis ar	d Meth	oa	1	П	_		RCRA
one: 580-748-1613 Email:		15	5							1			State	
nail: tom@pimaoil.com		by 8015	y 801	17			0.0		-			NM CO	UT AZ	TX
eport due by: Pima Project # _ \ 75		RO b	RO b	y 802	826	6010	e 300		N	¥	1 1			
Time Date Sampled Matrix Containers Sample ID	Lab Number	DRO/ORO	GRO/DRO by 8015	ВТЕХ ЬУ 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	BGDOC			Remarks	
:00 9/30/22 S 1 CS 1 Z'	1								X					
:05 CS Z 2'	2								1					
0:10 0832'	3													
515 CS 4 2'	4													
20 CS 5 Z'	5													
25 CS 6 Z'	6													
30 CS 7 2'	7													
:35 CS 8 Z'	8													
:40 CS 9 2'	9													
45 CS 10 Z'	10													
Iditional Instructions: 20829671														
rield sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mis te or time of collection is considered fraud and may be grounds for legal action.	slabelling the sample	location (10)	on,									eived on ice the day °C on subsequent da		ed or received
linguished by: (Signature) Date. Time Received by: (Signature) 9/30/22 3: (7)	Date 3		Time	3.	W	Rece	ived	on ice		ab U	se Onl	y		
linguished by (Signature) Date 9-3-64 Time 15 Received by: (Signature) Author Late	Date 10/3/	22	Time 9	!00	7	T1			T2		9-1	Т3		
linquished by: (Signature) Date Time Received by: (Signature)	Date		Time			AVG	Tem	ıp °C	4					
nple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Container	Туре	: g - s	glass,	p - p	A Comment	100		ber gla	iss, v	- VOA			
ite: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazar												anort for the an	hesis of the	nhava



lient: Pin	na Envi	ronmen	tal Servio	ces	Bill To				La	b Us	e On	ly				TA	T	F	EPA P	rogram
roject: N roject Ma	orth I	MISHE ?	S CTBI		Attention: DEVON ENERGY Address:				Lab WO# E269/80			Number				3D	Standard		CWA	SDW
ddress: 5					City, State, Zip		EU	241	80			sis and N			_		188	10675		RCRA
ity, State, hone: 58			M. 88240		Phone:															
mail: to			n		Email:		8015	8015				0		_			NN	I co I	State UT AZ	ТхТ
eport due					Pima Project # -\75		RO by	RO by	y 802	, 8260	6010	Je 300		NM	ķ					
200 74 74 77 7 1 2	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	ВСООС				Remarks	
3:50°	1/30/22	S		CS 11 2'		11								Х						
:55		1	1	CS12 2		12														
1:00				CS13 2	1	13														
:05				CS14 Z		14														
1:10				CS 15 Z	ı	15														
1:15				CS 167		16														
1:20				CSITZ	I a	17														
1:25				CS 18 7	2 1	18														
1:30				CS 19 Z	E	19														
1:36		1		CS 20	2'	20														
dditional					20829671															
				icity of this sample. I nay be grounds for le		belling the sampl	e locatio	on,				es requiring t I in ice at an								led or receiv
elinquished	DOLLA	tand		30/22 3:0		Date 4-30	1-27	Time	:/	5	Rece	eived on	ice:		ab Us	se Onl	y			
elinguished	by: (Signa	ture	Date 7	3000 47	150 Received by: (signature)	/D/3/	22	Time 9:	00		T1			T2			<u> 73</u>			
elinguished	by: (Signa	iture)	Date	Time	Received by: (Signature)	Date		Time			AVG	Temp °	c 4	4						
mple Matrix	: S - Soil, Sd	- Solid, Sg -	Sludge, A - A	queous, O - Other		Containe	r Type	: P - E	lass.	_	1000		- Andrews	or also	CC W-	VOA	-			

Printed: 10/3/2022 10:05:26AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Clima	Pima Environmental Services-Carlsbad	Date Received:	10/02/22	00.00	Wl. Ol., ID. F200196	_
Client:			10/03/22		Work Order ID: E209186	
Phone:	(575) 631-6977	Date Logged In:	09/30/22		Logged In By: Alexa Michaels	
Email:	tom@pimaoil.com	Due Date:	10/03/22	17:00 (0 day TAT)		
Chain of	Custody (COC)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location mate	ch the COC	Yes			
	mples dropped off by client or carrier?		Yes	Carrier: U	IPS	
4. Was the	COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes		<u></u>	
5. Were al	l samples received within holding time?	·	Yes			
	Note: Analysis, such as pH which should be conducted in				Comments/Resolution	
Campula T	i.e, 15 minute hold time, are not included in this disucssio	n.		1	Commences Accordation	_
	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes		Project North Thistle 3 CTB 1 has been	
	•		105		separated into multiple reports due to	
Sample C	ample cooler received?		Yes		1 -	
	vas cooler received in good condition?		Yes		sample volume. Workorders are as follows:	
•	sample(s) received intact, i.e., not broken?				E209186, E209187, E209188, E209189.	
	custody/security seals present?		Yes			
	were custody/security seals intact?		No			
•	·		NA			
12. Was the	sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes			
13. If no v	isible ice, record the temperature. Actual sample	temperature: 4°C	<u> </u>			
Sample C						
	ueous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?		Yes			
	ppropriate volume/weight or number of sample contain	ers collected?	Yes			
Field Lab						
	ield sample labels filled out with the minimum informulation in the imple ID?	rmation:	Yes			
	ate/Time Collected?		Yes			
	ollectors name?		No			
Sample P	reservation					
21. Does t	he COC or field labels indicate the samples were pro-	eserved?	No			
22. Are sa	mple(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved m	etals?	No			
Multipha	se Sample Matrix					
26. Does t	he sample have more than one phase, i.e., multiphas	se?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA			
Subcontra	act Laboratory					
	mples required to get sent to a subcontract laborator	v?	No			
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	b: na	
Client In	struction					
CHCHT III	struction.					-
						-

Date

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

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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

Action 157023

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	157023
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/3/2023