of New Mexico Incident ID Page 1 of 87

Incident ID	nAPP2233949873
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?	<100 (ft bgs)					
Did this release impact groundwater or surface water?	Yes X No					
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?						
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?						
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?						
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?						
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?						
Are the lateral extents of the release within 300 feet of a wetland?						
Are the lateral extents of the release overlying a subsurface mine?						
Are the lateral extents of the release overlying an unstable area such as karst geology?						
Are the lateral extents of the release within a 100-year floodplain?						
Did the release impact areas not on an exploration, development, production, or storage site?						
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.						
Characterization Report Checklist: Each of the following items must be included in the report.						
 ∑ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well impacted area. Surface features, subsurface features, delineation points, and monitoring well impacted area. Support features in the subsurface features, delineation points, and monitoring well impacted area. Support features in the subsurface features, delineation points, and monitoring well impacted area. Support features in the subsurface features, delineation points, and monitoring well impacted area. Support features in the subsurface features, delineation points, and monitoring well impacted area. Support features in the subsurface features, delineation points, and monitoring well impacted area. Support features in the subsurface features, delineation points, and monitoring well impacted area. Support features in the support features in the subsurface features, delineation points, and monitoring well impacted area. Support features in the support features in the support features in the support features. Support features in the support features in	ls.					
X Laboratory data including chain of custody						

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

Received by OCD: 2/2/2023 7:33:32 AM State of New Mexico
Page 4 Oil Conservation Division

	Page 2 of 8	87
Incident ID	nAPP2233949873	
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. Dale Woodall Title: EHS Professional Printed Name: Signature: Dale Woodall Date: 2/2/2023 dale.woodall@dvn.com 405-318-4697 email: Telephone: **OCD Only** 02/02/2023 Jocelyn Harimon Received by:

Incident ID	nAPP2233949873
	111 11 1 22337 17073
District RP	
Facility ID	
Application ID	

Page 3 of 87

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	ng items must be included in the closure report.
X A scaled site and sampling diagram as described in 19.15.2	29.11 NMAC
X Photographs of the remediated site prior to backfill or phomust be notified 2 days prior to liner inspection)	otos of the liner integrity if applicable (Note: appropriate OCD District office
X Laboratory analyses of final sampling (Note: appropriate C	ODC 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 ce may endanger public health or the environment. The acceptance should their operations have failed to adequately investigate and human health or the environment. In addition, OCD acceptance compliance with any other federal, state, or local laws and/or re- restore, reclaim, and re-vegetate the impacted surface area to the accordance with 19.15.29.13 NMAC including notification to the	-
Printed Name: Dale Woodall	Title: EHS Professional
Signature: Dals Woodall	Date: 2/2/2023
email:dale.woodall@dvn.com	Telephone: 405-318-4697
OCD Only	
Received by: Jocelyn Harimon	Date: 02/02/2023
	arty of liability should their operations have failed to adequately investigate and ace water, human health, or the environment nor does not relieve the responsible and/or regulations.
Closure Approved by:	Date:
Printed Name:	Title:



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

January 31, 2023

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

Re: Site Assessment, Remediation, and Closure Report

Thistle North Central CTB

API No. N/A

GPS: Latitude 32.283487 Longitude -103.562399

UL -- N, 22, T23S, R33E

Lea County, NM

NMOCD Ref. No. <u>NAPP2233949873</u>

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a produced water release that occurred at the Thistle North Central CTB (Thistle). The initial C-141 was submitted on December 16, 2022 (Appendix C). This incident was assigned Incident ID NAPP2233949873 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Thistle is located approximately twenty-five (25) miles southwest of Eunice, NM. This spill site is in Unit N, Section 22, Township 23S, Range 33E, Latitude 32.283487 Longitude -103.562399, 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 Tonuco loamy fine sands, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is excessively 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 400 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 120 feet BGS. The closest waterway is a Salt Playa located approximately 8.84 miles to the west of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29									
Depth to Groundwater		Cons	tituent & Limits						
(Appendix A)	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene				
<50' (Lack of GW data)	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>NAPP2233949873:</u> On December 5, 2022, a dumped on a heater pump, developed a leak causing fluid release onto pad. The released fluids were calculated to be approximately 29 barrels (bbls) of produced water. Vacuum truck was not able to recover any fluid.

Site Assessment, and Soil Sampling Results

On December 20, 2022, Pima mobilized personnel to the site to begin collecting soil samples from the affected area. The laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

12-20-22 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <100')										
DEVON ENERGY -THISTLE NORTH CTB										
Sample Dat 12/20/22	te:	NM Approved Laboratory Results								
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg		
SW 1	6"	ND	ND	ND	ND	ND	0	ND		
SW 2	6"	ND	ND	ND	ND	ND	0	ND		
SW 3	6"	ND	ND	ND	ND	ND	0	ND		
SW 4	6"	ND	ND	ND	ND	ND	0	ND		
SW 5	6"	ND	ND	ND	ND	ND	0	ND		
SW 6	6"	ND	ND	ND	ND	ND	0	ND		
SW 7	6"	ND	ND	ND	ND	ND	0	ND		
SW 8	6"	ND	ND	ND	ND	ND	0	ND		
SW 9	6"	ND	ND	ND	ND	ND	0	ND		
SW 10	6"	ND	ND	ND	ND	ND	0	ND		
SW 11	6"	ND	ND	ND	ND	ND	0	ND		
SW 12	6"	ND	ND	ND	ND	ND	0	ND		
S-1	1'	ND	ND	ND	ND	ND	0	170		
3-1	2'	ND	ND	ND	ND	ND	0	88.6		
S-2	1'	ND	ND	ND	ND	ND	0	21.7		
3-2	2'	ND	ND	ND	ND	ND	0	22		
S-3	1'	ND	ND	ND	ND	ND	0	27.2		
3-3	2'	ND	ND	ND	ND	ND	0	ND		
S-4	1'	ND	ND	ND	ND	ND	0	45.7		
3-4	2'	ND	ND	ND	ND	ND	0	ND		
S-5	1'	ND	ND	ND	ND	ND	0	ND		
3-3	2'	ND	ND	ND	ND	ND	0	32.8		
S-6	1'	ND	ND	ND	ND	ND	0	ND		
3-0	2'	ND	ND	ND	ND	ND	0	ND		
S-7	1'	ND	ND	ND	ND	ND	0	ND		
3-7	2'	ND	ND	ND	ND	ND	0	ND		
S-8	1'	ND	ND	ND	ND	ND	0	ND		
3-0	2'	ND	ND	ND	ND	ND	0	ND		
S-9	1'	ND	ND	ND	ND	ND	0	48.1		
3-5	2'	ND	ND	ND	ND	ND	0	30.4		
BG 1	6"	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 bottoms and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC.

Closure Request

After careful review, Pima requests that this incident, NAPP2233949873 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

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map

Appendices:

Appendix A – Referenced Water Surveys

Appendix B – Soil Survey and Geological Data

Appendix C – C-141 Form

Appendix D – Photographic Documentation

Appendix E – Laboratory Report



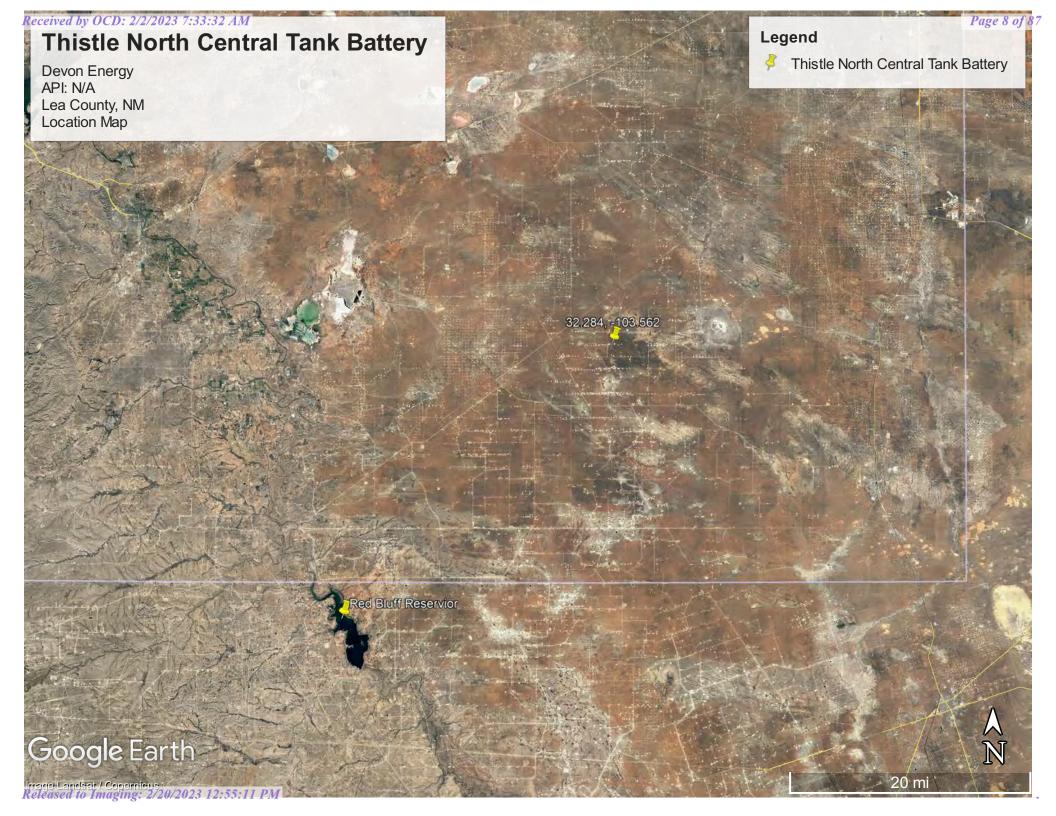
Figures:

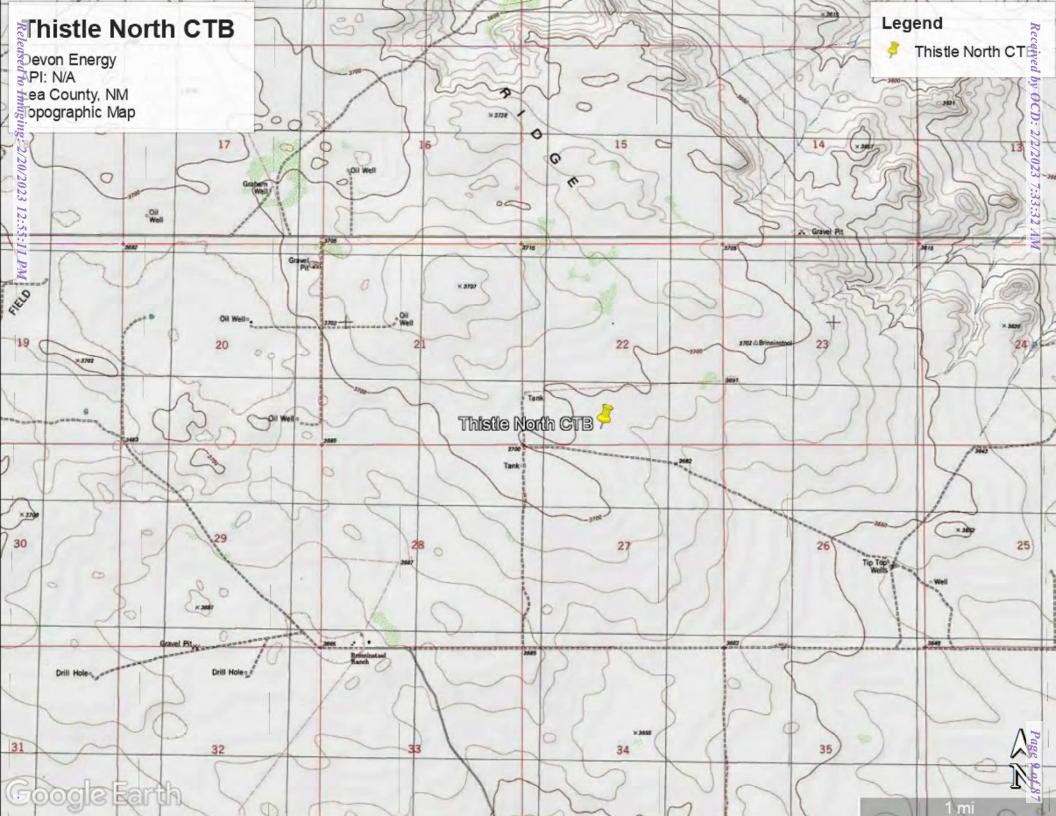
1-Location Map

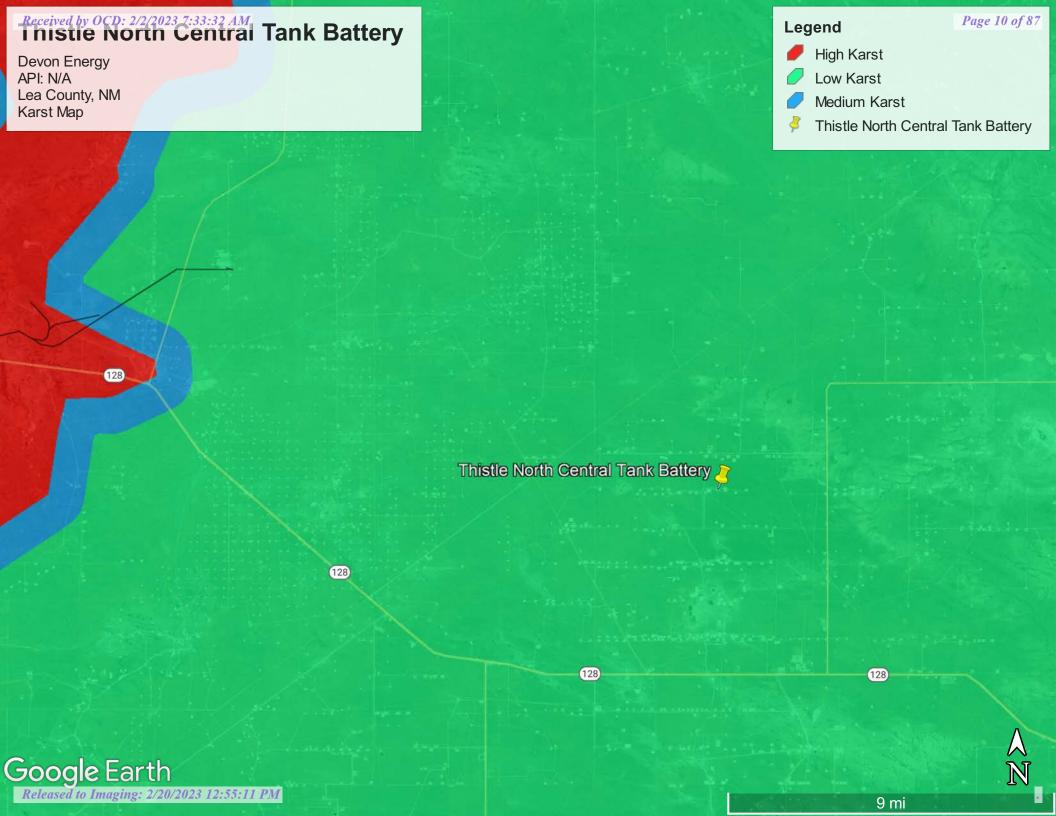
2-Topographic Map

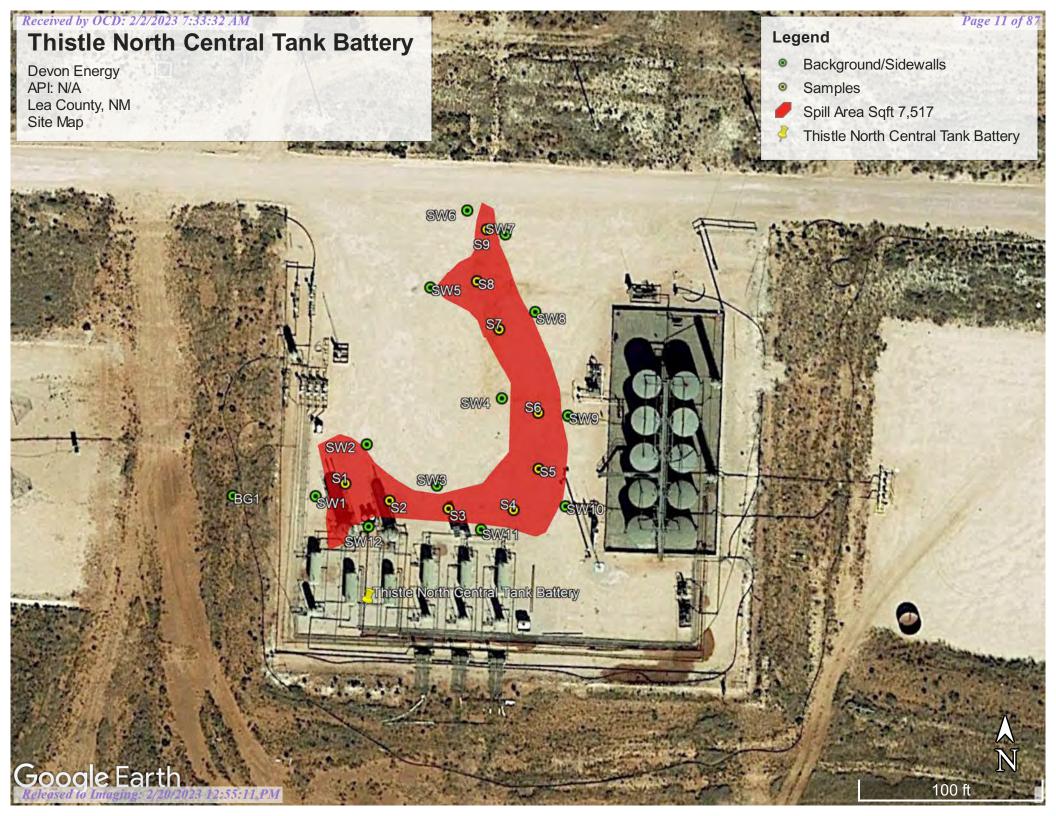
3-Karst Map

4-Site Map











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)

(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								•	Water
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDep	thWellDep	othWater C	olumn
<u>C 02278</u>		CUB	LE	3	4	2	28	23S	33E	634484	3571989*	1248	650	400	250
<u>C 02280</u>		CUB	LE	3	2	4	28	23S	33E	634489	3571586*	1544	650	400	250
<u>C 02281</u>		CUB	LE	3	4	4	28	23S	33E	634495	3571183*	1879	545	400	145
<u>C 04664 POD1</u>		CUB	LE	4	1	4	15	23S	33E	635784	3574818	2029	55		
<u>C 02279</u>		CUB	LE	3	4	3	28	23S	33E	633691	3571173*	2385	650	400	250
<u>C 02283</u>		CUB	LE	4	2	2	26	23S	33E	637896	3572431*	2513	325	225	100
<u>C 02282</u>		CUB	LE	3	1	1	25	23S	33E	638098	3572436*	2712	325	225	100
<u>C 02277</u>		CUB	LE	2	3	4	20	23S	33E	632663	3572970*	2754	550	400	150
<u>C 02284</u>		CUB	LE	4	2	4	26	23S	33E	637907	3571626*	2765	325	225	100
C 03582 POD1		C	LE	4	1	1	14	23S	33E	636583	3575666	3074	590		
<u>C 04595 POD1</u>		CUB	LE	4	3	3	34	23S	33E	635150	3569564	3268	55		
<u>C 04353 POD1</u>		CUB	ED	4	2	2	24	23S	33E	639474	3574098	4256	603	330	273
<u>C 02276</u>		CUB	LE	3	1	4	19	23S	33E	630848	3573154*	4577	650	400	250
<u>C 02275</u>		CUB	LE	3	3	2	19	23S	33E	630843	3573557*	4629	650	400	250

Average Depth to Water:

345 feet

Minimum Depth:

225 feet

Maximum Depth:

400 feet

Record Count: 14

<u>UTMNAD83 Radius Search (in meters):</u>

Easting (X): 635413.47 Northing

Northing (Y): 3572822.8 **Radius:** 5000

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.

12/6/22 1:35 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

GO

Click to hideNews Bulletins

See the <u>Water Data for the Nation Blog</u> for the latest news and updates.

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

321611103321601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321611103321601 23S.33E.26.42100

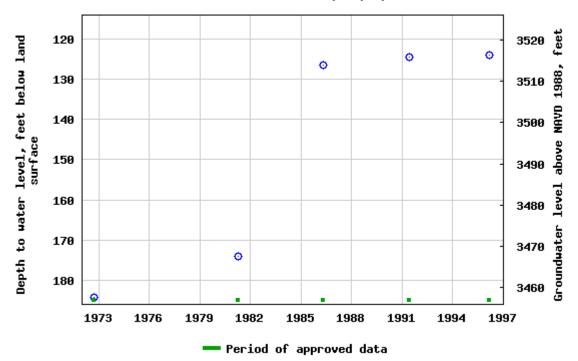
Available data for this site Groundwater: Field measurements V GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°16'28.0", Longitude 103°32'15.6" NAD83
Land-surface elevation 3,641 feet above NAVD88
The depth of the well is 190 feet below land surface.
This well is completed in the Other aquifers (N99990THER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

USGS 321611103321601 235,33E,26,42100



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
Subscribe for system changes
News

Accessibility

FOIA

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Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

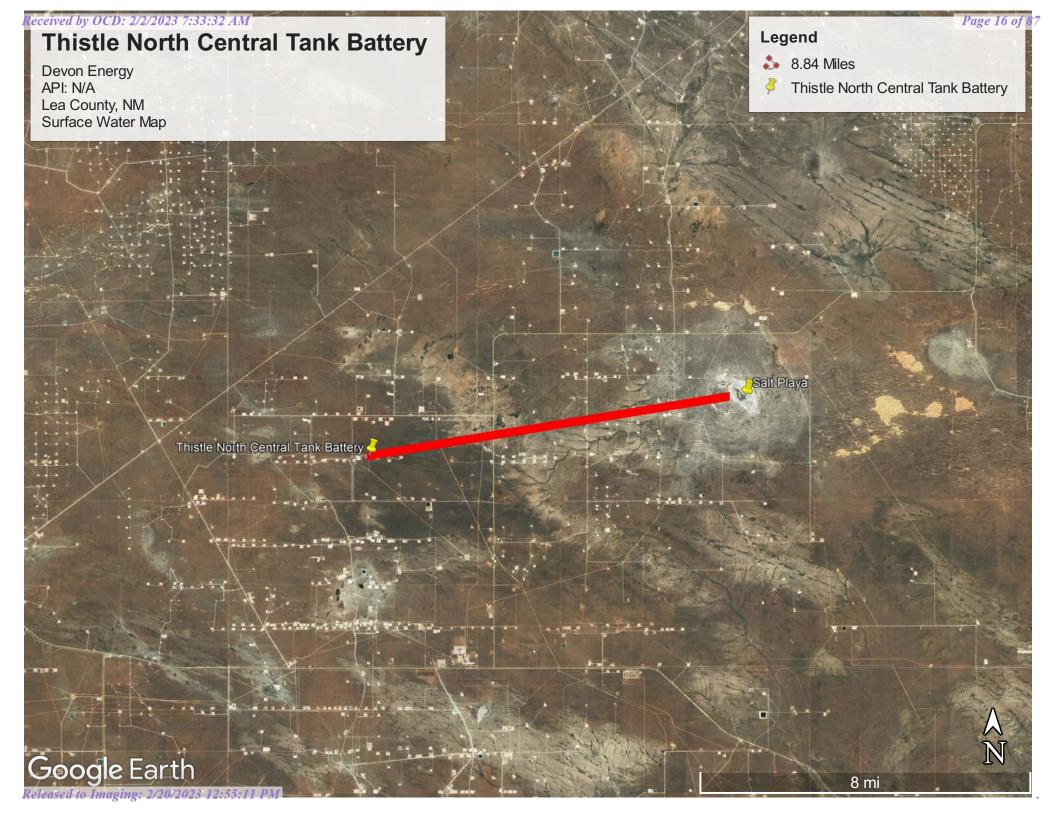
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

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

Page Last Modified: 2022-12-06 15:32:33 EST

0.6 0.49 nadww02







Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map

Lea County, New Mexico

TF—Tonuco loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw3c Elevation: 3,280 to 4,460 feet

Mean annual precipitation: 10 to 16 inches Mean annual air temperature: 59 to 64 degrees F

Frost-free period: 180 to 220 days

Farmland classification: Not prime farmland

Map Unit Composition

Tonuco and similar soils: 70 percent Minor components: 30 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Tonuco

Setting

Landform: Ridges, plains

Landform position (two-dimensional): Shoulder Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits

Typical profile

A - 0 to 12 inches: loamy fine sand Bw - 12 to 17 inches: loamy sand

Bkkm - 17 to 39 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 12 to 20 inches to petrocalcic

Drainage class: Excessively drained

Runoff class: Very high

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: 2 percent

Gypsum, maximum content: 1 percent

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

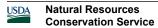
mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified



Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: R077DY048TX - Shallow 12-17" PZ

Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 15 percent Landform: Ridges, plains

Landform position (two-dimensional): Shoulder Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

Berino

Percent of map unit: 10 percent Landform: Ridges, plains

Landform position (two-dimensional): Shoulder Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Cacique

Percent of map unit: 5 percent Landform: Ridges, plains

Landform position (two-dimensional): Shoulder Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Ecological site: R070BD004NM - Sandy

Hydric soil rating: No

Data Source Information

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

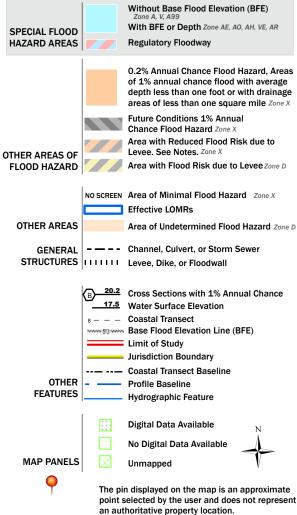
Received by OCD: 2/2/2023 7:33:32 AM National Flood Hazard Layer FIRMette





Legend

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/6/2022 at 3:40 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



December 6, 2022

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland Lake Freshwater Forested/Shrub Wetland Other Freshwater Pond Riverine 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

Responsible Party Devon Energy Production Company

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

State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	nAPP2233949873
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID 6137

	ale Woodall		Contact Telephone					
Contact email Da	ale.Woodall@dvn.	com	Incident #	Incident # (assigned by OCD)				
		n Rivers Hwy Artesi	a, NM 88210					
		Location	of Release So	ource				
32.28 atitude	33487	(NAD 02: 1 :	Longitude _	-103.562399				
Site Name Thistle	e North Central C	ГВ	Site Type (Oil				
Date Release Disc	covered 12/05/2022		API# (if app	plicable)				
Unit Letter S	ection Township	Range	Coun	nty				
N	22 23S	33E	Lea	a				
Crude Oil	Material(s) Released (Se		1 1	· · · · · · · · · · · · · · · · · · ·				
Crude Oil	Material(c) Released (Se							
crude on		eased (bbls)	calculations or specific	Volume Recovered (bbls)				
Produced Wa	Volume Rel							
	Volume Relater Volume Relater Is the conce	eased (bbls) eased (bbls) 29 BBLS ntration of total dissolv	ed solids (TDS)	Volume Recovered (bbls)				
	Volume Relater Volume Relater Is the conce in the produce	eased (bbls)	ed solids (TDS)	Volume Recovered (bbls) Volume Recovered (bbls) 0 BBLS				
Produced Wa	Volume Relater Volume Relater Is the conce in the produte Volume Relater Volume Relater	eased (bbls) eased (bbls) 29 BBLS ntration of total dissolv ced water >10,000 mg/	ed solids (TDS)	Volume Recovered (bbls) Volume Recovered (bbls) 0 BBLS Yes No				
Produced Wa	ter Volume Rel Is the conce in the produ Volume Rel Volume Rel Volume Rel	leased (bbls) leased (bbls) 29 BBLS ntration of total dissolv ced water >10,000 mg/ leased (bbls)	ed solids (TDS)	Volume Recovered (bbls) Volume Recovered (bbls) 0 BBLS Yes No Volume Recovered (bbls)				
Produced Wa Condensate Natural Gas Other (describ	Volume Relater Volume Relater Is the conce in the product Volume Relater Volume Relater Volume Relater Volume/Wester	eased (bbls) eased (bbls) 29 BBLS ntration of total dissolv ced water >10,000 mg/ eased (bbls) eased (Mcf)	ed solids (TDS)	Volume Recovered (bbls) Volume Recovered (bbls) 0 BBLS Yes No Volume Recovered (bbls) Volume Recovered (bbls)				
☐ Produced Wa ☐ Condensate ☐ Natural Gas	Volume Relater Volume Relater Is the conce in the product Volume Relater Volume Relater Volume Relater Volume/Wester	eased (bbls) eased (bbls) 29 BBLS ntration of total dissolv ced water >10,000 mg/ eased (bbls) eased (Mcf)	ed solids (TDS)	Volume Recovered (bbls) Volume Recovered (bbls) 0 BBLS Yes No Volume Recovered (bbls) Volume Recovered (bbls)				
Produced War Condensate Natural Gas Other (describ	Volume Relater Volume Relater Is the conce in the product Volume Relater Volume Relater Volume Relater Volume/Wester	leased (bbls) leased (bbls) 29 BBLS Intration of total dissolv leased (water >10,000 mg/leased (bbls) leased (Mcf) leased (provide	ed solids (TDS)	Volume Recovered (bbls) Volume Recovered (bbls) 0 BBLS Yes No Volume Recovered (bbls) Volume Recovered (bbls)				
Produced Wa Condensate Natural Gas Other (describ	Volume Relater Volume Relater Is the conce in the product Volume Relater Volume Relater Volume Relater Volume/Wester	leased (bbls) leased (bbls) 29 BBLS Intration of total dissolv leased (water >10,000 mg/leased (bbls) leased (Mcf) leased (provide	ed solids (TDS)	Volume Recovered (bbls) Volume Recovered (bbls) 0 BBLS Yes No Volume Recovered (bbls) Volume Recovered (bbls)				

Received by OCD: 2/2/2023 72:33:32 AMAM State of New Mexico Page 2 Oil Conservation Division

Page 24 of 87

Incident ID	nAPP2233949873
District RP	
Facility ID	
Application ID	

	1	
Was this a major	If YES, for what reason(s) does the respon	sible party consider this a major release?
release as defined by	Spill is over 25 BBLS.	
19.15.29.7(A) NMAC?		
Yes No		
If YES, was immediate n	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
Notice given to OCI	D by Dale Woodall, on OCD Porta	al on 12/5/2022.
	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 rel	ease has been stopped.	
	• •	
The impacted area ha	as been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or o	likes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed an	d managed appropriately.
If all the actions describe	d above have <u>not</u> been undertaken, explain	why:
		•
D 1015 20 0 D (1) 1D	71	
		emediation immediately after discovery of a release. If remediation
		efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
		best of my knowledge and understand that pursuant to OCD rules and
		fications and perform corrective actions for releases which may endanger
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: Kendr	a Ruiz	Title: EHS Associate
Signature: Kendra	n Ruiz	Date: 12/16/2022
_{email:} Kendra.Ru	iz@avn.com	Telephone: 575-748-0167
OCD Only		
Received by:Jocely	yn Harimon	Date: 12/16/2022

100	ill Volume(Bbls	
	puts in blue, Ou	
Co	ntaminated Soil	measurement
Length(Ft)	Width(Ft)	Depth(Ft)
		0.021
Cubic Feet of Soil Impacted		0.000
Barrels of Soil Impacted		0.00
Soil 7	Гуре	Clay/Sand
Barrels of Oil Assuming 100% Saturation		0.00
Saturation	Fluid present	with shovel/backhoe
Estimated Barrels of Oil Released		0.00
	Free Standing F	luid Only
Length(Ft)	Width(Ft)	Depth(Ft)
<u>30</u>	30.000	0.042
Standing fluid		6.723
Total fluids spilled		6.723

7.00	ill Volume(Bbls	
Со	ntaminated Soil i	measurement
Length(Ft)	Width(Ft)	Depth(Ft)
		0.042
Cubic Feet of	Soil Impacted	0.000
Barrels of Sc	oil Impacted	0.00
Soil 7	уре	Clay
Barrels of Oil Assuming 100% Saturation		0.00
Saturation	Fluid present	with shovel/backhoe
Estimated Barrels of Oil Released		0.00
	Free Standing Fl	uid Only
Length(Ft)	Width(Ft)	Depth(Ft)
33	21.000	0.083
Standing fluid		<u>10.230</u>
Total fluids spilled		10.230

1900	ill Volume(Bbls	
	ntaminated Soil I	
Length(Ft)	Width(Ft)	Depth(Ft)
		0.042
Cubic Feet of	Soil Impacted	0.000
Barrels of Sc	oil Impacted	0.00
Soil 7	Гуре	Clay
Barrels of Oil Assuming 100% Saturation		0.00
Saturation	Fluid present	with shovel/backhoe
Estimated Barrels of Oil Released		0.00
	Free Standing Fl	uid Only
Length(Ft)	Width(Ft)	Depth(Ft)
<u>54</u>	32.000	0.042
Standing fluid		12.908
Total fluids spilled		12.908

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

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

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

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

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

CONDITIONS

Action 167820

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	167820
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	12/16/2022

	Page 28 of 87
Incident ID	nAPP2233949873
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.

<100 (ft bgs)				
Yes X No				
Yes No				
Yes X No				
Yes No				
Yes X No				
Yes No				
Yes X No				
Yes X No				
Yes No				
Yes No				
Yes No				
Yes No				
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.				
Characterization Report Checklist: Each of the following items must be included in the report.				
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody				

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

Received by OCD: 2/2/2023 7:33:32 AM State of New Mexico
Page 4 Oil Conservation Division

	Page 29 of 8	7
Incident ID	nAPP2233949873	
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. Dale Woodall Title: EHS Professional Printed Name: Signature: Dale Woodall Date: 2/2/2023 email: dale.woodall@dvn.com Telephone: 405-318-4697 **OCD Only** Received by: Date:

Page 30 of 87

Incident ID	nAPP2233949873
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 its	ems must be included in the closure report.	
X 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	
X Laboratory analyses of final sampling (Note: appropriate ODC	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 a should their operations have failed to adequately investigate and remhuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regulat restore, reclaim, and re-vegetate the impacted surface area to the conaccordance with 19.15.29.13 NMAC including notification to the OC	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially aditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.	
Printed Name: Dale Woodall	Title:EHS Professional	
Signature: Dale Woodall	Date:	
email:dale.woodall@dvn.com	Telephone: 405-318-4697	
OCD Only		
Received by:	Date:	
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.		
Closure Approved by:	Date:02/20/2023	
Printed Name: Jennifer Nobui	Title: Environmental Specialist A	



Appendix D

Photographic Documentation

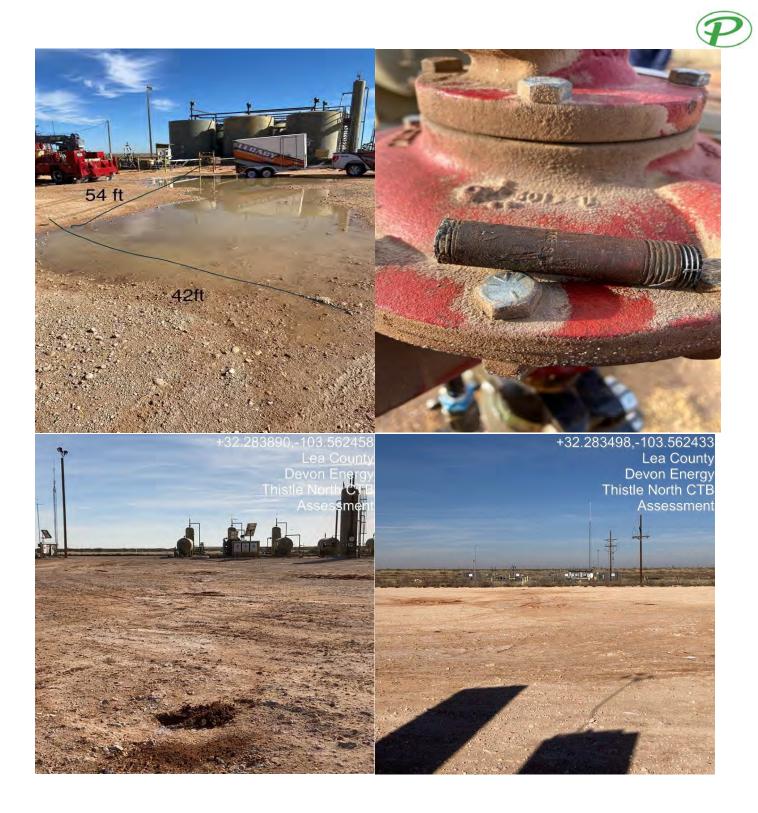


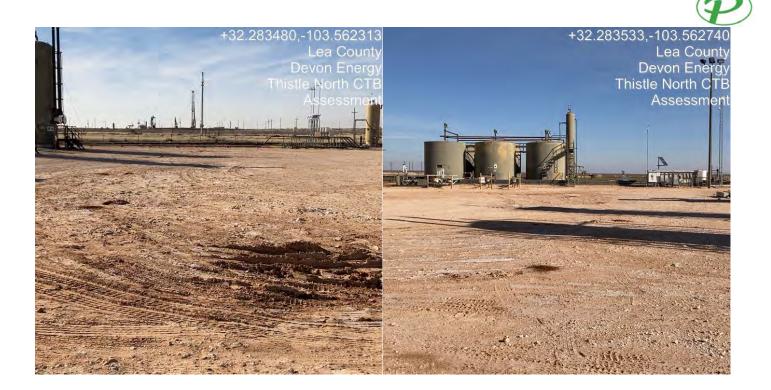
SITE PHOTOGRAPHS DEVON ENERGY THISTLE NORTH CENTRAL TANK BATTERY

Site Assessment







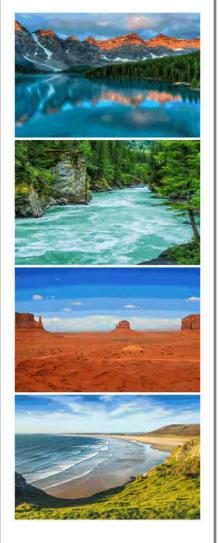




Appendix E

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: Thistle North CTB

Work Order: E212128

Job Number: 01058-0007

Received: 12/22/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/29/22

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: 12/29/22

Tom Bynum PO Box 247

Plains, TX 79355-0247

Project Name: Thistle North CTB

Workorder: E212128

Date Received: 12/22/2022 11:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/22/2022 11:00:00AM, under the Project Name: Thistle North CTB.

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

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
SW-1	6
SW-2	7
SW-3	8
SW-4	9
SW-5	10
SW-6	11
SW-7	12
SW-8	13
SW-9	14
SW-10	15
SW-11	16
SW-12	17
S1 - 1'	18
S1 - 2'	19
S2 - 1'	20
S2 - 2'	21
S3 - 1'	22
S3 - 2'	23
S4 - 1'	24
S4 - 2'	25

Table of Contents (continued)

S5 - 1'	26
S5 - 2'	27
S6 - 1'	28
S6 - 2'	29
S7 - 1'	30
S7 - 2'	31
S8 - 1'	32
S8 - 2'	33
S9 - 1'	34
S9 - 2'	35
BG1	36
QC Summary Data	37
QC - Volatile Organics by EPA 8021B	37
QC - Nonhalogenated Organics by EPA 8015D - GRO	39
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	41
QC - Anions by EPA 300.0/9056A	43
Definitions and Notes	46
Chain of Custody etc.	47

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	Reported:
PO Box 247	Project Number:	01058-0007	Reporteu:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/22 11:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-1	E212128-01A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
SW-2	E212128-02A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
SW-3	E212128-03A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
SW-4	E212128-04A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
SW-5	E212128-05A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
SW-6	E212128-06A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
SW-7	E212128-07A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
SW-8	E212128-08A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
SW-9	E212128-09A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
SW-10	E212128-10A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
SW-11	E212128-11A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
SW-12	E212128-12A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S1 - 1'	E212128-13A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S1 - 2'	E212128-14A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S2 - 1'	E212128-15A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S2 - 2'	E212128-16A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S3 - 1'	E212128-17A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S3 - 2'	E212128-18A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S4 - 1'	E212128-19A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S4 - 2'	E212128-20A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S5 - 1'	E212128-21A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S5 - 2'	E212128-22A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S6 - 1'	E212128-23A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S6 - 2'	E212128-24A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S7 - 1'	E212128-25A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S7 - 2'	E212128-26A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S8 - 1'	E212128-27A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S8 - 2'	E212128-28A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S9 - 1'	E212128-29A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
S9 - 2'	E212128-30A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.
BG1	E212128-31A	Soil	12/20/22	12/22/22	Glass Jar, 2 oz.



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

SW-1

	E212120-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: SL		Batch: 2252058
ND	0.0250	1	12/22/22	12/23/22	
ND	0.0250	1	12/22/22	12/23/22	
ND	0.0250	1	12/22/22	12/23/22	
ND	0.0250	1	12/22/22	12/23/22	
ND	0.0500	1	12/22/22	12/23/22	
ND	0.0250	1	12/22/22	12/23/22	
	108 %	70-130	12/22/22	12/23/22	
mg/kg	mg/kg	Analyst: SL			Batch: 2252058
ND	20.0	1	12/22/22	12/23/22	
	101 %	70-130	12/22/22	12/23/22	
mg/kg	mg/kg	Analy	st: SL		Batch: 2253002
ND	25.0	1	12/27/22	12/27/22	
ND	50.0	1	12/27/22	12/27/22	
110					
	88.9 %	50-200	12/27/22	12/27/22	
mg/kg		50-200 Analys		12/27/22	Batch: 2252056
	mg/kg ND	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 ND 20.0250 I08 % mg/kg ND 20.0 I01 % mg/kg MD 25.0	Result Limit Dilution mg/kg mg/kg Analys 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 70-130 mg/kg mg/kg Analys ng/kg mg/kg Analys mg/kg mg/kg Analys ND 25.0 1	Reporting Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 12/22/22 ND 0.0250 1 12/22/22 ND 0.0250 1 12/22/22 ND 0.0250 1 12/22/22 ND 0.0500 1 12/22/22 ND 0.0250 1 12/22/22 mg/kg mg/kg Analyst: SL ND 20.0 1 12/22/22 mg/kg mg/kg Analyst: SL mg/kg mg/kg Analyst: SL ND 25.0 1 12/27/22	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 12/22/22 12/23/22 ND 0.0250 1 12/22/22 12/23/22 ND 0.0250 1 12/22/22 12/23/22 ND 0.0500 1 12/22/22 12/23/22 ND 0.0250 1 12/22/22 12/23/22 ND 0.0250 1 12/22/22 12/23/22 mg/kg mg/kg Analyst: SL ND 20.0 1 12/22/22 12/23/22 mg/kg mg/kg Analyst: SL mg/kg mg/kg Analyst: SL



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

SW-2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/22/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/22/22	
Toluene	ND	0.0250	1	12/22/22	12/22/22	
o-Xylene	ND	0.0250	1	12/22/22	12/22/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/22/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/22/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/22/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: SL		
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	12/22/22	12/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		84.8 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252056
· · · · · · · · · · · · · · · · · · ·	ND	20.0	-	12/22/22	12/23/22	



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

SW-3

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	Analyst: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		89.8 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252056
Chloride	ND	20.0	1	12/22/22	12/23/22	_

Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

SW-4

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: SL		Batch: 2253002	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		100 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: SL		Batch: 2252056
Chloride	ND	20.0	1	12/22/22	12/23/22	

Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

SW-5

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		87.5 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252056
Chloride	ND	20.0	1	12/22/22	12/23/22	_



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

SW-6

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		77.3 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: SL		Batch: 2252056



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

SW-7

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		94.0 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: SL		Batch: 2252056



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

SW-8

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		85.2 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: SL		Batch: 2252056



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

SW-9

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		80.9 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252056
Chloride	ND	20.0	1	12/22/22	12/23/22	_

Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

SW-10 E212128-10

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		84.8 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252056
Chloride	ND	20.0	1	12/22/22	12/23/22	



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

SW-11

E212128-11						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		88.5 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252056
Chloride	ND	20.0	1	12/22/22	12/23/22	



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

SW-12

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		94.3 %	50-200	12/27/22	12/27/22	
	ma/ka	mg/kg	Analy	yst: SL		Batch: 2252056
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Buttern: 2202000



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S1 - 1'

E212128-13						
Reporting						
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		92.3 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2252056
Chloride	170	20.0	1	12/22/22	12/23/22	



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S1 - 2'

E212128-14						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		87.7 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: SL		Batch: 2252056
Chloride	88.6	20.0	1	12/22/22	12/23/22	



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S2 - 1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		85.9 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252056
· · · · · · · · · · · · · · · · · · ·	21.7	20.0		12/22/22	12/23/22	•



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S2 - 2'

E212128-16						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.8 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		101 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2252056
Chloride	22.0	20.0	1	12/22/22	12/23/22	



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S3 - 1'

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		rst: SL	7 mary Zea	Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		94.0 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: SL		Batch: 2252056
Chloride	27.2	20.0	1	12/22/22	12/23/22	



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S3 - 2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		95.2 %	50-200	12/27/22	12/27/22	
A: b EDA 200 0/005/A	mg/kg	mg/kg	Analy	st: SL		Batch: 2252056
Anions by EPA 300.0/9056A		<u> </u>				



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S4 - 1'

E212128-19						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/28/22	
Surrogate: n-Nonane		90.2 %	50-200	12/27/22	12/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2252056
Chloride	45.7	20.0	1	12/22/22	12/23/22	



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S4 - 2'

E212128-20						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252058
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252058
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2253002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/28/22	
Surrogate: n-Nonane		98.7 %	50-200	12/27/22	12/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252056
Chloride	ND	20.0	1	12/22/22	12/23/22	



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S5 - 1'

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: SL		Batch: 2252059
ND	0.0250	1	12/22/22	12/23/22	
ND	0.0250	1	12/22/22	12/23/22	
ND	0.0250	1	12/22/22	12/23/22	
ND	0.0250	1	12/22/22	12/23/22	
ND	0.0500	1	12/22/22	12/23/22	
ND	0.0250	1	12/22/22	12/23/22	
	110 %	70-130	12/22/22	12/23/22	
mg/kg	mg/kg	Analy	st: SL		Batch: 2252059
ND	20.0	1	12/22/22	12/23/22	
	99.3 %	70-130	12/22/22	12/23/22	
mg/kg	mg/kg	Analy	st: SL		Batch: 2253001
ND	25.0	1	12/27/22	12/27/22	
ND	23.0	-	12:27:22		
ND ND	50.0	1	12/27/22	12/27/22	
		50-200		12/27/22	
	50.0	50-200 Analy	12/27/22		Batch: 2252057
	mg/kg ND MD ND Mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 110 % mg/kg mg/kg ND 20.0 99.3 % mg/kg mg/kg mg/kg	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 70-130 mg/kg mg/kg Analy ND 20.0 1 99.3 % 70-130 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 12/22/22 ND 0.0250 1 12/22/22 ND 0.0250 1 12/22/22 ND 0.0250 1 12/22/22 ND 0.0500 1 12/22/22 ND 0.0250 1 12/22/22 mg/kg mg/kg Analyst: SL ND 20.0 1 12/22/22 mg/kg mg/kg Analyst: SL mg/kg mg/kg Analyst: SL	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 12/22/22 12/23/22 ND 0.0500 1 12/22/22 12/23/22 ND 0.0250 1 12/22/22 12/23/22 mg/kg mg/kg Analyst: SL ND 20.0 1 12/22/22 12/23/22 mg/kg mg/kg Analyst: SL



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S5 - 2'

E212128-22						
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		alyst: SL	7 mary 200	Batch: 2252059
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Foluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2252059
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.7 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2253001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		102 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2252057
Chloride	32.8	20.0	1	12/22/22	12/23/22	



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S6 - 1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2252059
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2252059
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: SL		Batch: 2253001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		104 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: SL		Batch: 2252057



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S6 - 2'

E212128-24						
Reporting						
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2252059
Benzene	ND	0.0250	1	12/23/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/23/22	12/23/22	
Toluene	ND	0.0250	1	12/23/22	12/23/22	
o-Xylene	ND	0.0250	1	12/23/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/23/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/23/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/23/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2252059
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/23/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	12/23/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: SL		Batch: 2253001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		105 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: SL		Batch: 2252061
Chloride	ND	20.0	1	12/23/22	12/27/22	



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S7 - 1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2252059
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2252059
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.0 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2253001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		99.7 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2252057
	ND	20.0	1	12/22/22	12/23/22	•



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S7 - 2'

		E212128-26					
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2252059	
Benzene	ND	0.0250	1	12/22/22	12/23/22		
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22		
Toluene	ND	0.0250	1	12/22/22	12/23/22		
o-Xylene	ND	0.0250	1	12/22/22	12/23/22		
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22		
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22		
Surrogate: 4-Bromochlorobenzene-PID		111 %	70-130	12/22/22	12/23/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2252059	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.6 %	70-130	12/22/22	12/23/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: SL		Batch: 2253001	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22		
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22		
Surrogate: n-Nonane		99.0 %	50-200	12/27/22	12/27/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: SL		Batch: 2252057	
Chloride	ND	20.0	1	12/22/22	12/23/22		



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S8 - 1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252059
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252059
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.2 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2253001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		104 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252057
· · · · · · · · · · · · · · · · · · ·	ND	20.0	-	12/22/22	12/23/22	



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S8 - 2'

E21	11	10	20
E-21	. 4 .	40	-20

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252059
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252059
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2253001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		106 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: SL		Batch: 2252057
				12/22/22	12/23/22	



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S9 - 1'

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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2252059
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Analyst: SL			Batch: 2252059
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.6 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: SL		Batch: 2253001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		101 %	50-200	12/27/22	12/27/22	
				, CI		Batch: 2252057
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: SL		Batch: 2232037



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

S9 - 2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252059
Benzene	ND	0.0250	1	12/22/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/23/22	
Toluene	ND	0.0250	1	12/22/22	12/23/22	
o-Xylene	ND	0.0250	1	12/22/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/23/22	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252059
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.3 %	70-130	12/22/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2253001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/27/22	
Surrogate: n-Nonane		104 %	50-200	12/27/22	12/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2252057
Chloride	30.4	20.0	1	12/22/22	12/23/22	



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2252059
Benzene	ND	0.0250	1	12/22/22	12/27/22	
Ethylbenzene	ND	0.0250	1	12/22/22	12/27/22	
Toluene	ND	0.0250	1	12/22/22	12/27/22	
o-Xylene	ND	0.0250	1	12/22/22	12/27/22	
p,m-Xylene	ND	0.0500	1	12/22/22	12/27/22	
Total Xylenes	ND	0.0250	1	12/22/22	12/27/22	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	12/22/22	12/27/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Analyst: SL			Batch: 2252059
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/22	12/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	12/22/22	12/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: SL		Batch: 2253001
Diesel Range Organics (C10-C28)	ND	25.0	1	12/27/22	12/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/27/22	12/28/22	
Surrogate: n-Nonane		104 %	50-200	12/27/22	12/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: SL		Batch: 2252057
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QC Summary Data

Thistle North CTB Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 12/29/2022 11:19:47AM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2252058-BLK1) Prepared: 12/22/22 Analyzed: 12/22/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 8.80 8.00 110 70-130 LCS (2252058-BS1) Prepared: 12/22/22 Analyzed: 12/22/22 4.75 95.0 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.17 0.0250 5.00 103 70-130 5.16 0.0250 5.00 103 70-130 Toluene 107 o-Xylene 5.37 0.0250 5.00 70-130 10.5 10.0 105 70-130 0.0500 p.m-Xvlene 106 70-130 15.9 0.0250 15.0 Total Xylenes 8.00 108 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.61 Matrix Spike (2252058-MS1) Source: E212128-02 Prepared: 12/22/22 Analyzed: 12/22/22 5.30 0.0250 5.00 ND 54-133 Benzene ND 115 61-133 Ethylbenzene 5.74 0.0250 5.00 Toluene 5.75 0.0250 5.00 ND 115 61-130 5.95 ND 119 63-131 5.00 0.0250 o-Xylene p,m-Xylene 11.6 0.0500 10.0 ND 116 63-131 17.6 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.44 8.00 Matrix Spike Dup (2252058-MSD1) Source: E212128-02 Prepared: 12/22/22 Analyzed: 12/22/22 4.48 0.0250 5.00 ND 89.6 54-133 16.8 20 ND 61-133 4.85 0.0250 5.00 97.0 16.8 20 Ethylbenzene 61-130 Toluene 4 85 0.0250 5.00 ND 97.0 17.0 20 5.03 5.00 ND 101 63-131 16.8 20 o-Xylene 0.0250 9.86 10.0 ND 98.6 63-131 20 p,m-Xylene 0.0500 16.6



14.9

8.47

0.0250

15.0

8.00

ND

99.3

106

63-131

70-130

16.7

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

		QC 5	umm	ary Dat	a				
Pima Environmental Services-Carlsbac	d	Project Name:		histle North C	TB				Reported:
PO Box 247		Project Number:	0	1058-0007					
Plains TX, 79355-0247		Project Manager:	Te	om Bynum				1	2/29/2022 11:19:47AM
		Volatile O	rganics l	by EPA 802	21B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2252059-BLK1)							Prepared: 1	2/22/22 A	nalyzed: 12/23/22
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	8.78		8.00		110	70-130			
LCS (2252059-BS1)							Prepared: 1	2/22/22 A	nalyzed: 12/23/22
Benzene	4.49	0.0250	5.00		89.9	70-130			
Ethylbenzene	4.89	0.0250	5.00		97.7	70-130			
Toluene	4.88	0.0250	5.00		97.6	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
p,m-Xylene	9.91	0.0500	10.0		99.1	70-130			
Total Xylenes	15.0	0.0250	15.0		99.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.62		8.00		108	70-130			
Matrix Spike (2252059-MS1)				Source:	E212128-	23	Prepared: 1	2/22/22 A	nalyzed: 12/23/22
Benzene	5.22	0.0250	5.00	ND	104	54-133			
Ethylbenzene	5.71	0.0250	5.00	ND	114	61-133			
Toluene	5.69	0.0250	5.00	ND	114	61-130			
o-Xylene	5.93	0.0250	5.00	ND	119	63-131			
p,m-Xylene	11.6	0.0500	10.0	ND	116	63-131			
Total Xylenes	17.5	0.0250	15.0	ND	117	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.52		8.00		107	70-130	·		
Matrix Spike Dup (2252059-MSD1)				Source:	E212128-	23	Prepared: 1	2/22/22 A	nalyzed: 12/23/22
Benzene	4.79	0.0250	5.00	ND	95.7	54-133	8.63	20	
Ethylbenzene	5.21	0.0250	5.00	ND	104	61-133	9.22	20	
Toluene	5.21	0.0250	5.00	ND	104	61-130	8.97	20	
o-Xylene	5.42	0.0250	5.00	ND	108	63-131	9.02	20	
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131	9.15	20	
T-4-1 V-1	16.0	0.0250	15.0	ND	106	62 121	0.11	20	



16.0

8.58

0.0250

15.0

8.00

ND

106

107

63-131

70-130

9.11

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Gasoline Range Organics (C6-C10)

QC Summary Data

Pima Environmental Services-CarlsbadProject Name:Thistle North CTBReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum12/29/2022 11:19:47AM

Nonhalogenated Organics by EPA 8015D - GRO										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2252058-BLK1)							Prepared: 12	2/22/22 Analy	zed: 12/22/22	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.08		8.00		101	70-130				
LCS (2252058-BS2)							Prepared: 12	2/22/22 Analy	zed: 12/22/22	
Gasoline Range Organics (C6-C10)	59.6	20.0	50.0		119	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.13		8.00		102	70-130				
Matrix Spike (2252058-MS2)				Source:	E212128-	02	Prepared: 12	2/22/22 Analy	zed: 12/22/22	

Surrogate: 1-Chloro-4-fluorobenzene-FID	8.17		8.00		102	70-130				
Matrix Spike Dup (2252058-MSD2)				Source:	E212128-0)2	Prepared: 12	2/22/22 Analy	zed: 12/22/22	
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.1	70-130	11.4	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.16		8.00		102	70-130				_

50.0

ND

70-130

53.3

20.0

Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				12/	29/2022 11:19:47AM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2252059-BLK1)							Prepared: 1	2/22/22 Ana	lyzed: 12/23/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.09		8.00		101	70-130			
LCS (2252059-BS2)							Prepared: 1	2/22/22 Ana	lyzed: 12/23/22
Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.09		8.00		101	70-130			
Matrix Spike (2252059-MS2)				Source:	E212128-	23	Prepared: 1	2/22/22 Ana	lyzed: 12/23/22
Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		8.00		100	70-130			
Matrix Spike Dup (2252059-MSD2)				Source:	E212128-	23	Prepared: 1	2/22/22 Ana	lyzed: 12/23/22
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	1.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.08		8.00		101	70-130			

Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

Plains 1X, /9355-024/		Project Manage	r: 10	m Bynum				12/2	9/2022 11:19:4/A
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2253001-BLK1)							Prepared: 1	2/27/22 Analy	yzed: 12/27/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			
LCS (2253001-BS1)							Prepared: 1	2/27/22 Analy	yzed: 12/27/22
Diesel Range Organics (C10-C28)	246	25.0	250		98.4	38-132			
Surrogate: n-Nonane	47.6		50.0		95.2	50-200			
Matrix Spike (2253001-MS1)				Source:	E212130-	04	Prepared: 1	2/27/22 Analy	yzed: 12/27/22
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	42.5		50.0		85.0	50-200			
Matrix Spike Dup (2253001-MSD1)				Source:	E212130-	04	Prepared: 1	2/27/22 Analy	yzed: 12/27/22
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132	2.97	20	
Surrogate: n-Nonane	44.9		50.0		89.9	50-200			



Pima Environmental Services-Carlsbad	Project Name:	Thistle North CTB	Reported:
PO Box 247	Project Number:	01058-0007	_
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				1	2/29/2022 11:19:47A
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: SL									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2253002-BLK1)							Prepared: 1	2/27/22 A	nalyzed: 12/27/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.8	50-200			
LCS (2253002-BS1)							Prepared: 1	2/27/22 A	nalyzed: 12/27/22
Diesel Range Organics (C10-C28)	245	25.0	250		98.1	38-132			
Surrogate: n-Nonane	46.7		50.0		93.3	50-200			
Matrix Spike (2253002-MS1)				Source:	E212128-	07	Prepared: 1	2/27/22 A	nalyzed: 12/27/22
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	45.3		50.0		90.7	50-200			
Matrix Spike Dup (2253002-MSD1)				Source:	E212128-	07	Prepared: 1	2/27/22 A	nalyzed: 12/27/22
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132	2.66	20	
Surrogate: n-Nonane	42.9		50.0		85.8	50-200			



Matrix Spike Dup (2252056-MSD1)

268

Chloride

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Thistle North CTB 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

Anions by EPA 300.0/9056A									Analyst: SL		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2252056-BLK1)							Prepared: 1	2/22/22 Analy	/zed: 12/23/22		
Chloride	ND	20.0									
LCS (2252056-BS1)							Prepared: 1	2/22/22 Analy	zed: 12/23/22		
Chloride	267	20.0	250		107	90-110					
Matrix Spike (2252056-MS1)				Source:	E212128-	01	Prepared: 1	2/22/22 Analy	zed: 12/23/22		
Chloride	275	20.0	250	ND	110	80-120					

250

20.0

Source: E212128-01

107

80-120

2.58



Prepared: 12/22/22 Analyzed: 12/23/22

20

Chloride

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Thistle North CTB 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/2022 11:19:47AM

		Anions	by EPA 3	00.0/9056	A			Analyst: SL				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2252057-BLK1)							Prepared: 1	2/22/22 An	alyzed: 12/23/22			
Chloride	ND	20.0										
LCS (2252057-BS1)							Prepared: 1	2/22/22 An	alyzed: 12/23/22			
Chloride	269	20.0	250		108	90-110						
Matrix Spike (2252057-MS1)				Source:	E212128-2	21	Prepared: 1	2/22/22 An	alyzed: 12/23/22			
Chloride	281	20.0	250	ND	112	80-120						
Matrix Spike Dup (2252057-MSD1)				Source:	E212128-2	21	Prepared: 1	2/22/22 An	alyzed: 12/23/22			

250

20.0

113

80-120

0.678



Chloride

QC Summary Data

Pima Environmental Services-Carlsba PO Box 247 Plains TX, 79355-0247	d	Project Name: Project Number: Project Manager	01	nistle North C 058-0007 om Bynum			Reported: 12/29/2022 11:19:47AM			
Tianis 1A, 7/333-0247				00.0/9056	A				Analyst: SL	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2252061-BLK1)							Prepared: 1	2/23/22 A	nalyzed: 12/27/22	
Chloride	ND	20.0								
LCS (2252061-BS1)							Prepared: 1	2/23/22 A	nalyzed: 12/27/22	
Chloride	250	20.0	250		100	90-110				
Matrix Spike (2252061-MS1)				Source:	E212130-)1	Prepared: 1	2/23/22 A	nalyzed: 12/27/22	
Chloride	262	20.0	250	ND	105	80-120				
Matrix Spike Dup (2252061-MSD1)				Source:	E212130-0	01	Prepared: 1	2/23/22 A	nalvzed: 12/27/22	

250

20.0

80-120

105

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:	Thistle North CTB	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/29/22 11:19

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

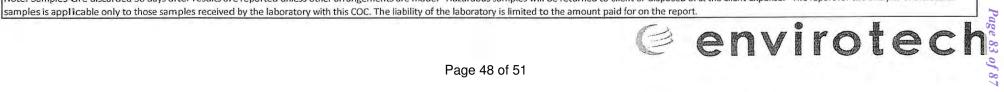
Chain of Custody

1	- 11
Page /	of 4
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Client: F	ima Envi	ironmen	tal Service	200	Bill To					La	b Us	e On	lv				TA	Т	EPA Pi	rogram
	mistle				At	tention: DEVOY		Lab	WO#			Job I		ber	1D 2D 3D Standard				CWA	SDWA
	Man ager:				1	dress:		F2	121	28				COOP				X		
	56 14 N.				-	y, State, Zip		-						nd Metho						RCRA
	te, Zip Ho)	100	none:														
	580-748-				Er	nail:		15	12							1		A STATE OF	State	
	tom@pin		n					/80	/ 8015	н	-		0.0		5	1	1 1	NM CO	UT AZ	TX
Report d	ue by:				P	ima Project # 1-219		30 b	30 b	802	8260	6010	e 30(1	NN			X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		•	Lab Number	DRO/ORO by 8015	GRO/DRO by	ВТЕХ БУ 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	
9:00	12/20/22	S	1	810.	1		1								X					
9:05	T.		1	SW	2		2								1					
9:10				SW:	3		3													
9:15				300.	4		4													-
9:20				SW	5		5													
9:25				SW.	Q		6													
9:30				SW.	7															1111-1
9:35				Sw.	8		8													
9:40				Sin.	9		9													
9:45	-	1	1	510.	n		10								V	1				
	nal Instruc	ctions:		Rill -	1) Del	von: 211023	060													
And the same of the same of the				ticity of this san	ple. I am awar	e that tampering with or intentionally misla	belling the samp	le locat	ion,			Sampl packe	es requ d in ice	iring thermal at an avg tem	presen ip abov	vation m	ust be rec ess than 6	ceived on ice the da o°C on subsequent	y they are samp days.	oled or received
	ed by: (Sign		Date		Time Z.00	Received by: (Signature)	Date	-22	Time		d	Rec	eived	d on ice:	(Jse On V	ly		
Relinquished by: (Signature) Date Time Received by: (Signature) L21-22 Time Received by: (Signature)) Dat 320				5	T1			T2			<u>T3</u>				
	ed by: (Sign		Date		Time	Received by: (Signature)	Date		Time			AVO	G Ten	np °C	4					
Sample Ma	tric 5 - Soil d	d - Solid So-	Sludge A - A	Aqueous, O - Ot	her		Containe	er Typ	e g	glass.	p - p				er gl	ass, v	- VOA			
Note: Sam	nles are disc	carded 30 c	lavs after re	sults are ren	orted unless o	ther arrangements are made. Hazard	ous samples wi	II be re	turne	d to cl	ient o	r dispo	osed c	of at the cli	ent ex	xpense	. The r	report for the a	nalysis of the	e above
						with this COC. The liability of the labor														

envirotech &

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lient: Pim roject: T	a Envi	ronmen	tal Servi	ces		ention:	7	Bill To)						se Or			1D	lan	TA 3D		ndard	EPA P	SDI
roject Ma						dress:	11	24011		_	F 2	WO#	125	7	000	Numb	<u>cos</u>	1	20	30	X	luaru	CVVA	300
ddress: 5					-	, State	, Zip						10	0	Analy	ysis an	Metho	od			1			RC
ity, State,			M. 88240)	Ph	one:																		
none: 58			<u> </u>		Em	nail:					3015	1015									-	INAL CO	State UT AZ	TVI
mail: to		iaoii.coi	11		Pi	ma Pro	oject#	1- 2	10		by 8	by 8	1021	260	010	300.0		N N	×		-	X CO	OT AZ	- 11
Time	Date	Second 1	No. of					1 2	11	Lab	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride		20	100		-		Desarab	
	ampled	Matrix	Containers	Sample ID						Number	DRO	GRO	BTE)	VOC	Met	Chlo		BGDOC	верос				Remarks	S
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:55	}	1	1	SW-17						12								1						
0:00				81.1						13														
0:05				81.2						14								1						
):10				52.1	1					15														
0:15				52.21						10														
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0:25				S3. 2'						18														
):30				84.1						19														
);35	+	*	4	S4.2'						20								1						
dditional	Instruc	tions:		Bill	toi	Devi	on:	211	023	00														
field sampler), attest to	the validity	and authent d fraud and i	icity of this sample may be grounds for	. I am aware legal action.	that tamp	ering with Sam	or intention	nally mislabelli	ng the sample	e locatio	on,										ice the day ubsequent da	they are sam ays.	pled or re
Relinquished by: (Signature) Date 12-21-27 2:00 Received by: (Signature) With all Guy, L						20 11	Date 12.2/		Time	100)	Rec	eived	on ice:	/	ab U	se Or I	nly						
Relinquished by: (Signature) Date Time Received by: (Rignature) Augustus Received by: (Rignature)						1	2 22	2	Time	:0	0	T1			T2			_ :	T3					
elinquished	by: (Signa	ture)	Date	Tim	е	Receive	od by: (S	ignature)		Date		Time	_		AVG	a Tem	o°C	4						
Sample Matrix: S - Soij Sd - Solid, Sg - Sludge, A - Aqueous, O - Other							Container Type g - glass, p - poly/plastic, ag - amber glass, v - VOA																	



Chain of Custody

EPA	Pr	ogra	m
CWA	\	SD	WA
		RC	RA
State	-	_	
UT /	\Z	TX	

Client: Pima Environmental Services Project: THISHE Morth CTB Attention: TWO								-	La	b Us	se Or	ily				TA	T	EPA P	rogram	
				CTB				Lab	W9#			Job	Numb	er		2D	3D	Standard	CWA	SDWA
	Manager:					Address:		E2	12	125	6	0	SI	∞	+			X		
	5614 N					City, State, Zip			,			Analy	sis and	Metho	d	_				RCRA
	te, Zip H		M, 88240)		Phone:			1751											
	580-748		-			Email:		8015	015						1			201 00	State	Levil
	tom@pii	naoii.coi	n			Pima Project # 1 - 7	2	by 8	by 8	121	09	07	0.00		NM	×		NM CO	UT AZ	IX
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO	GRO/DRO by 8015	ВТЕХ by 802.	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	верос			Remarks	
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10:45	1		1	55.2	7		22								1					
10:50				Stoil	1		23													
0:55				Sie	71	•	24											Sam	PCC #	24
11:00				87.	1	25											12/2	193	-ON-	
11:05				R7.	260								П							
11:10				88.1	ł	27								Ħ						
11:15				5.8.	11		28								11	t				
11.13) 0	_			+							+	-	-			
11:20				59.1	,		29								1					
11:25	*	*	-	59.2	1 '		30								4					
Addition	al Instru	tions:		Bill	toi	Devon: 211023	360													
and the second second					nple. I am av	rare that tampering with or intentionally	mislabelling the sampl	e locati	on,			A		-1-1-1				eived on ice the day o°C on subsequent d		led or received
date or time of collection is considered fraud and may be grounds for legal action. Relinquished by: (Signature) Date Time Received by: (Signature) 12-21-22 Z:00 Www. Linguished by: (Signature)					Date	-22	Time	100		Rece	eived	on ice:	6	1	se On	ly				
Relinquished by: (Signature) Date Time Received by: (Signature) Aud all august Time Received by: (Signature)					12/72	77		00		T1			T2		1-	T3				
Relinquished by: (Signature) Date Time Received by: (Signature)					Date		Time				Temp	·°C (1				7			
Cample Mass	ris Soils	-2 bilo P	Cludge A A	auggus O O	hae		Containe	r Tuna		dacell					or al-	cc v	- VOA			
Sample Matrix S-Soil Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																	enort for the an	alvsis of the	ahove	
						y with this COC. The liability of the la								at the the	III CX	JE113C	. Inc.	eport for the an	117313 OF LITE	. above



Project	Information

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Client: P	ima Envi	ronmen	tal Servi	ices		_ Bill To					La	b Us	e On	ly		1	1000	TA	T		EPA P	rogram
Project:	THIST	1e N	orfin	CTB	At	tention: DEVON		_	Lab \	WO#			Job i	Numb	er	1D	2D	3D	Sta	andard	CWA	SDWA
	lañager:			-		dress:			E2	121	28				ϖ					(DCDA
	56 14 N.				-	y, State, Zip		_					Analy	sis and	Metho	d						RCRA
	e, Zip Ho		VI. 88240	0		none:				72						1					State	
	580-748- com@pin		n		E	nail:			8015	3015				0						NM CO		TXI
Report d		iaoii.coi			P	ima Project # \ - 2\	1		O by	O by	8021	3260	010	300.0	1	N.	×			X	01 712	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab umber	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC				Remarks	
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			and authen d fraud and	ticity of this sar may be ground	nple. I am awar s for legal action		islabelling th	ne sample CVS	locatio	on,							0 but	ess than	6 °C on	on ice the day subsequent d		led or received
4	by: (Signa		Date 2-	71.22	Time Z:00	Received by: (Signature)	Dái	te L'U	22	Time 14	00		Rec	eived	on ice:	(1	Jse Or V	nly			
Moch	erby: (Signa	rales		11-12	(530	Received by: (Signature)	Dat	äba	8	_	0	2	T1_			<u>T2</u>				<u>T3</u>		
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				Aqueous, O - O				ontaine														
						her arrangements are made. Hazar with this COC. The liability of the labo									at the cli	ent ex	pense	. The	repor	t for the an	alysis of the	above



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.

				1			
Client:	Pima Environmental Services-Carlsbad	Date Received:	12/22/22	11:00		Work Order ID:	E212128
Phone:	(575) 631-6977	Date Logged In:	12/22/22	12:05		Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	12/29/22	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	e sample ID match the COC?		Yes				
	e number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	imples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	<u>JPS</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were al	I samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes			<u>Comment</u>	s/Resolution
Sample T	urn Around Time (TAT)						
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	ample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling		Yes				
13. If no v	risible ice, record the temperature. Actual sample	e temperature: 4°0	<u>C</u>				
Sample C	<u>ontainer</u>						
14. Are ac	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab							
	field sample labels filled out with the minimum inf	ormation:	**				
	imple ID?		Yes				
	ate/Time Collected? ollectors name?		Yes No				
	reservation_		NO				
	the COC or field labels indicate the samples were p	reserved?	No				
	mple(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved r	netals?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multipha	ise?	No				
	does the COC specify which phase(s) is to be anal		NA				
		,	1424				
	act Laboratory	9	NT.				
	imples required to get sent to a subcontract laborator	-	No	61 4 47 1			
	subcontract laboratory specified by the client and i	i so wno?	NA	Subcontract Lab	o: na		
Client In	<u>struction</u>						

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

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

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

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

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

CONDITIONS

Action 181885

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	181885
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	Closure Report Approved.	2/20/2023