ate of New Mexico

Incident ID	NAB1901827794
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?	<50'(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?	Yes X No					
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Yes No					
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes No					
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No					
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No					
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes k No					
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No					
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?	X Yes No					
Are the lateral extents of the release within a 100-year floodplain?	Yes No					
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	Yes No					
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.						
Characterization Report Checklist: Each of the following items must be included in the report.						
<ul> <li>X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well</li> <li>X Field data</li> <li>X Data table of soil contaminant concentration data</li> <li>X Depth to water determination</li> <li>X Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release</li> <li>Boring or excavation logs</li> <li>X Photographs including date and GIS information</li> <li>X Topographic/Aerial maps</li> <li>X Laboratory data including chain of custody</li> </ul>	ls.					

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

Received by OCD: 5/18/2023 3:56:43 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 2 of 10	8
Incident ID	NAB1901827794	
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: Environmental Professional Printed Name: Signature: Dale Woodall \_\_\_\_\_ Date: \_5/18/2023 email: dale.woodall@dvn.com Telephone: 575-748-1839 **OCD Only** Received by: Jocelyn Harimon Date: 05/19/2023

Page 3 of 108

Incident ID NAB1901827794
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 in	tems 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	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
may endanger public health or the environment. The acceptance of	tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.  Title: Environmental Professional
email: dale.woodall@dvn.com	Telephone: 575-748-1839
OCD Only	
Received by: Jocelyn Harimon	Date:05/19/2023
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Ashley Maxwell	Date:6/23/2023
Printed Name: Ashley Maxwell	Title: Environmental Specialist



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

May 2<sup>nd</sup>, 2023

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

Re: Site Assessment, Remediation, and Closure Report

Snapping 2 State 4H API No. 30-015-39071

GPS: Latitude 32.0657806 Longitude -103.74726834

UL -- P, Sec. 2, T26S, R31E

**Eddy County, NM** 

NMOCD Ref. No. NAB1901827794

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 crude oil and produced water release that occurred at the Snapping 2 State 4H (Snapping). The initial C-141 was submitted on January 16<sup>th</sup>, 2019 (Appendix C). This incident was assigned Incident ID NAB1901827794 by the New Mexico Oil Conservation Division (NMOCD).

### **Site Characterization**

The Snapping is located approximately twenty-two (22) miles southeast of Malaga, NM. This spill site is in Unit P, Section 2, Township 26S, Range 31E, Latitude 32.2657806 Longitude -103.74726834, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Eolian and piedmont deposits (Holocene to middle Pleistocene). The soil in this area is made up of Simona-Bippus complex, 0 to 5 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a high potential for karst geology to be present in the area of the Snapping (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 335 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is greater than 275.49 feet BGS. The closest waterway is the Red Bluff Reservoir, located approximately 13.6 miles to the southwest of this location. See Appendix A for referenced water surveys.

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

Reference Figure 2 for a Topographic Map.

### **Release Information**

<u>NAB1901827794:</u> On December 19<sup>th</sup>, 2018, a separator sump valve malfunctioned causing the vessel to fill up and release through the PRV to the open top tank. The spill area is roughly 136′ by 28′ by 2″.

### Remediation Activities, Site Assessment, and Soil Sampling Results

On January 27<sup>th</sup> and 30<sup>th</sup>, 2023, Pima Environmental mobilized personnel to the site to assess the impacted area. Pima collected a total of seventeen soil samples. Soil samples (S1-S6) were collected to achieve vertical delineation, and soil samples (SW1-SW4) were collected to achieve horizontal delineation. An initial site map can be found in Figure 4.

1-27-2023 and 1-30-2023 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')										
DEVON ENERGY -SNAPPING 2 ST 4H										
Sample Date and 1-30-202	e: 1/27/2023 23	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	Cl mg/kg		
S-1	1'	ND	ND	ND	ND	ND	0	81.6		
3-1	2'	ND	ND	ND	ND	ND	0	73.8		
	1'	ND	ND	ND	ND	ND	0	405		
S-2	2'	ND	ND	ND	ND	ND	0	395		
	3'	ND	ND	ND	ND	ND	0	ND		
S-3	1'	ND	ND	ND	ND	ND	0	130		
3-3	2'	ND	ND	ND	ND	ND	0	392		
	3'	ND	ND	ND	ND	ND	0	ND		
S-4	1'	ND	ND	ND	ND	ND	0	1140		
3-4	2'	ND	ND	ND	ND	ND	0	71.6		
	3'	ND	ND	ND	ND	ND	0	ND		
S-5	1'	ND	ND	ND	ND	ND	0	ND		
S-6	1'	ND	ND	ND	ND	ND	0	ND		
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		

ND- Analyte Not Detected

### **Remediation Activities:**

On April 25<sup>th</sup>, 2023, Pima mobilized personnel and equipment to conduct remedial activities. The areas overlapping soil sample S4 was excavated to a depth of 1.5 feet deep. Photographic documentation can be found in Appendix D.

An area approximately 12 feet by 10 feet by 1.5 foot in depth was excavated utilizing a backhoe.

On April 27<sup>th</sup>, 2023, after submitting the 48-hour notification (Appendix C), Pima collected confirmation samples. 5-point bottom and sidewall composite samples were obtained to ensure that the vertical and horizontal extents of the contamination had been removed. Each composite sample was representative of no more than 200 square feet. The laboratory results of this sampling event can be found in the following data table.

4-27-2023 Soil Sample Results

	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
		DE	VON ENERG	Y -SNAPPI	NG 2 ST 4H					
Sample Date: 4/27/2023 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	Cl mg/kg		
CS 1	1.5'	ND	ND	ND	ND	ND	0	ND		
CSW 1	0-1.5'	ND	ND	ND	ND	ND	0	ND		
CSW 2	0-1.5'	ND	ND	ND	ND	ND	0	ND		
CSW 3	0-1.5'	ND	ND	ND	ND	ND	0	ND		
CSW 4	0-1.5'	ND	ND	ND	ND	ND	0	ND		

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

### **Closure Request**

Due to analytical levels falling below NMOCD closure criteria, no further action is required.

After careful review, Pima requests that this incident, NAB1901827794, 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 Sebastian Orozco at 619-721-4813 or <a href="mailto:Sebastian@pimaoil.com">Sebastian@pimaoil.com</a>.

Respectfully,

Sebastian Orozco

**Environmental Professional** 

Sebastian Orozeo

Pima Environment Services, LLC

### **Attachments**

### Figures:

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

### Appendices:

Appendix A – Referenced Water Surveys

Appendix B – Soil Survey and Geological Data

Appendix C – C-141 Form and Correspondence

Appendix D - Photographic Documentation

Appendix E - Laboratory Reports



# Figures:

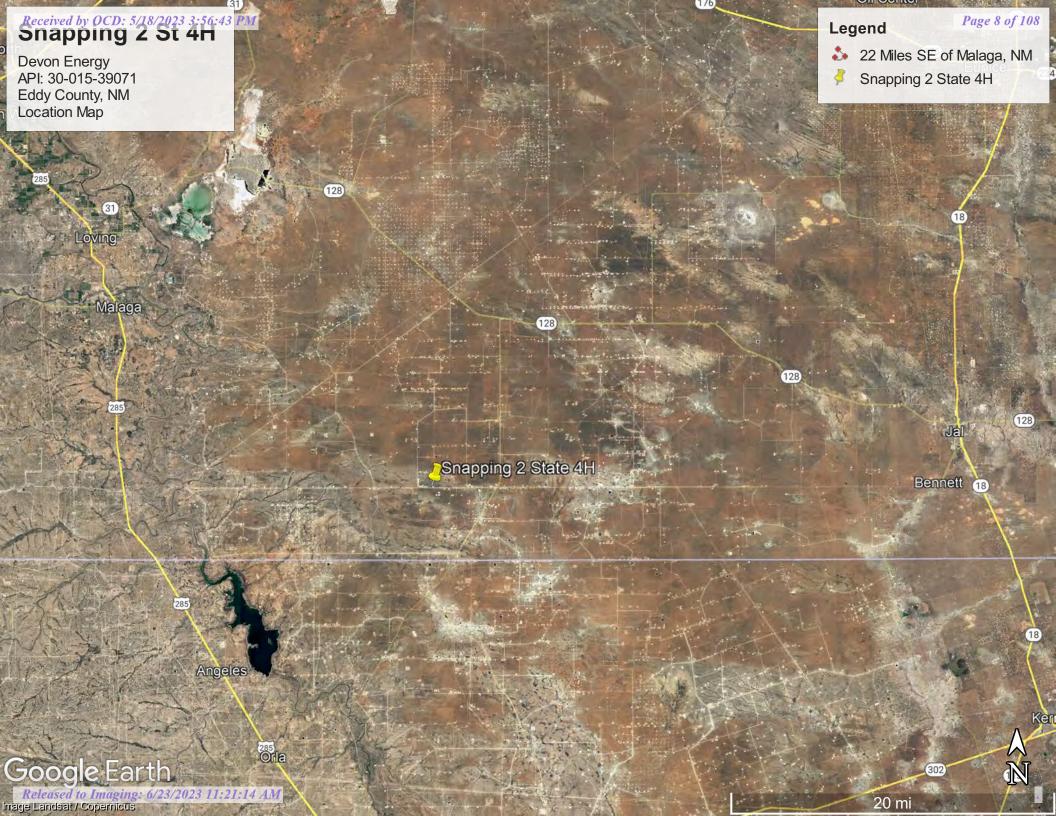
1-Location Map

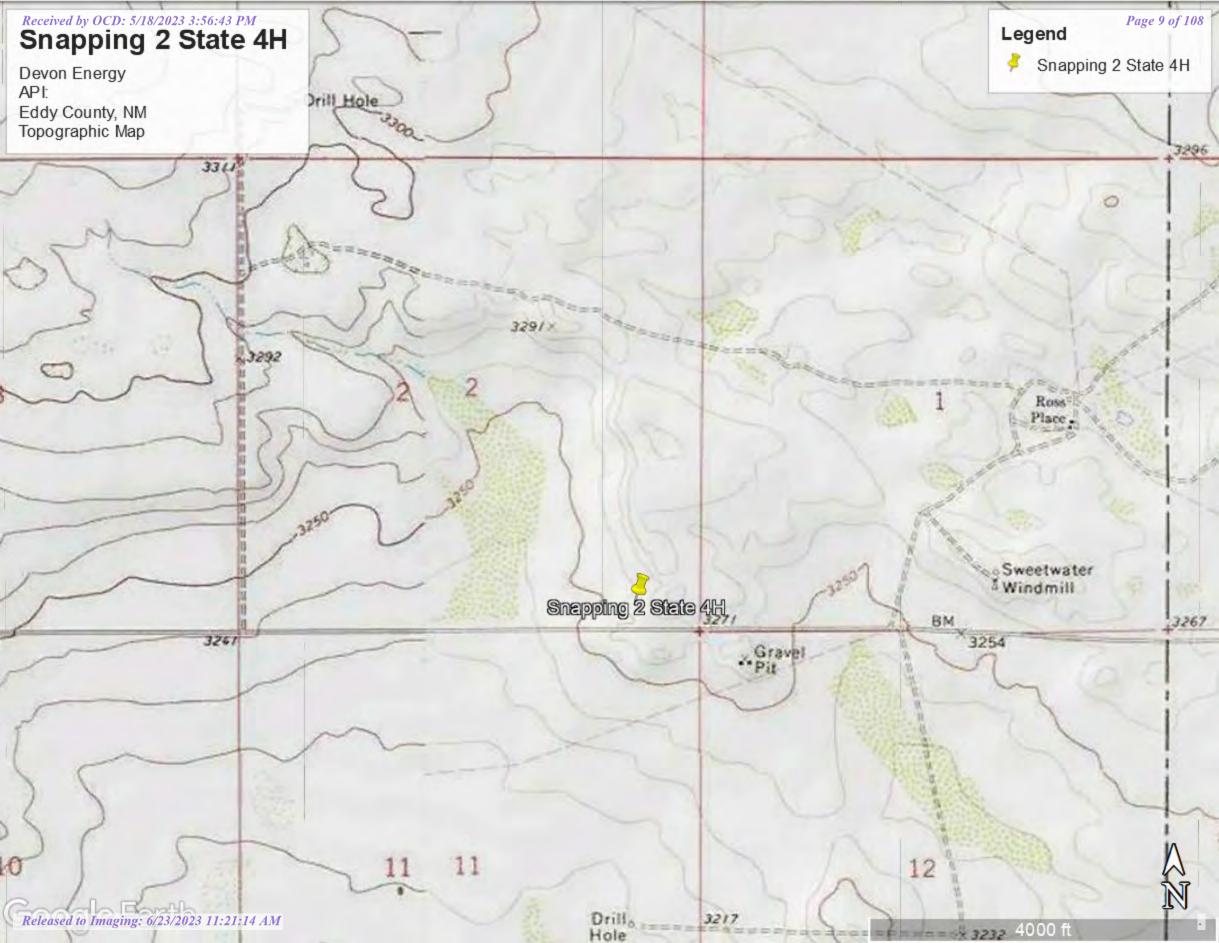
2-Topographic Map

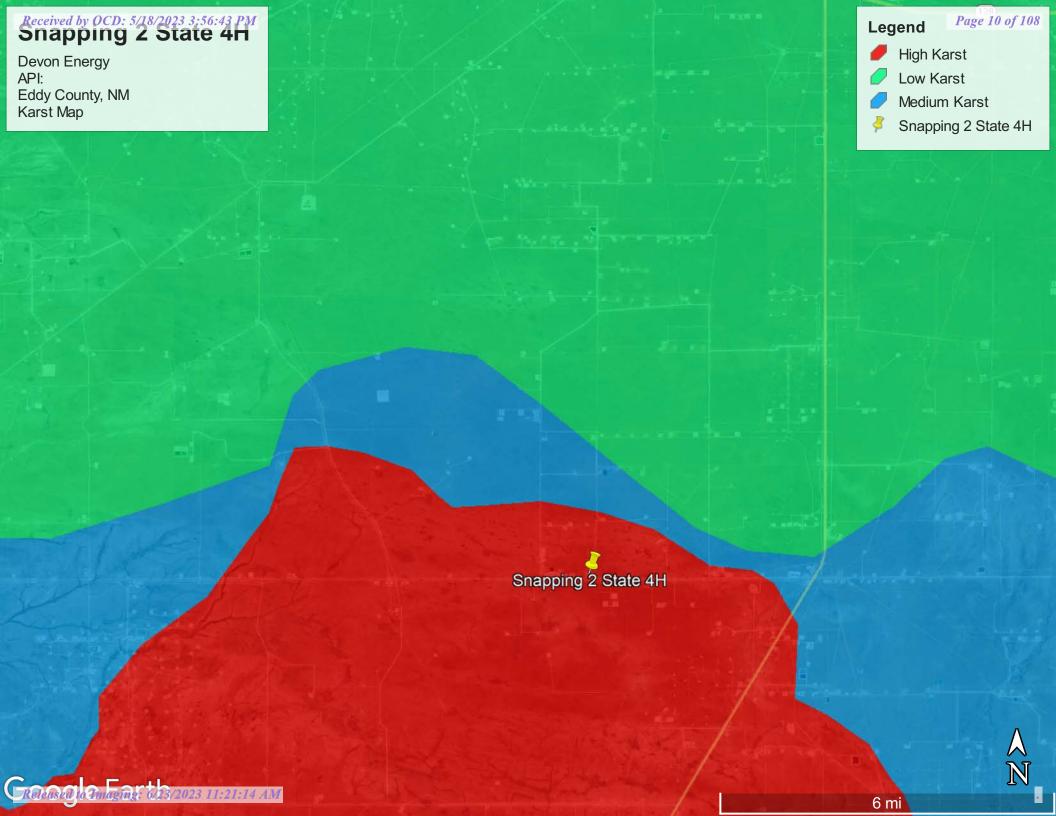
3-Karst Map

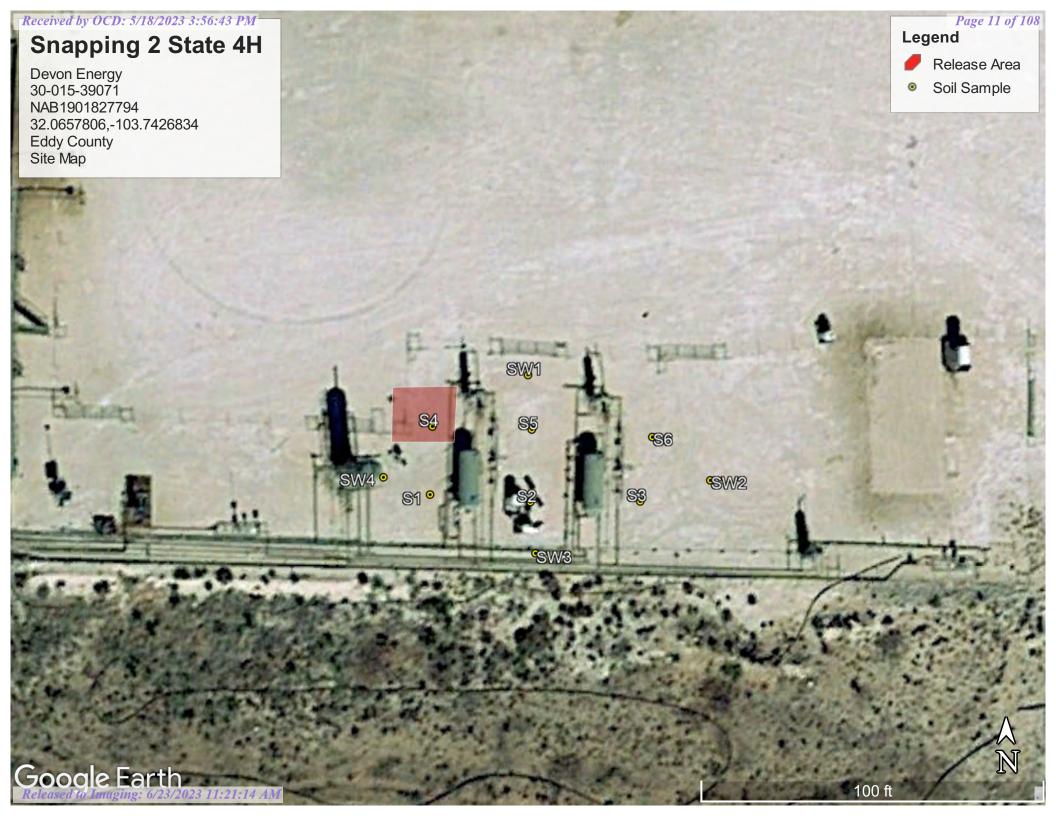
4-Site Map

5-Confirmation Sample Map







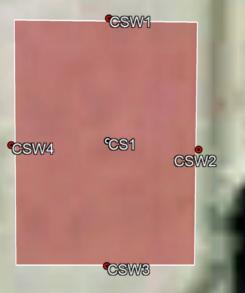


# Received by OCD: 5/18/2023 3:56:43 PM Snapping 2 State 4H Devon Energy 30-015-39071 NAB1901827794 32.0657806,-103.7426834 Confirmation Sample Map

# Legend

Page 12 of 108

- Confirmation composite sample
  - Confirmation composite side wall sample
- Excavated Area





# 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		_	_	_									
POD Number	Code	Sub- basin	County		Q 16		Sec	Tws	Rng	X	Y	DistanceDe	epthWellDe		Water Column
C 04637 POD1		CUB	ED	4	4	3	02	26S	31E	618068	3548423	612	51		
<u>C 02090</u>		C	ED		4	4	01	26S	31E	620329	3548533*	1652	350	335	15
C 03639 POD1		CUB	ED	3	4	2	01	26S	31E	620168	3549279	1719	700	365	335
C 04256 POD1		C	ED	4	4	2	01	26S	31E	620384	3549257	1898	666	340	326
C 03554 POD1		CUB	ED	2	1	4	01	26S	31E	620547	3549148	2004	630	300	330
C 03829 POD1		CUB	LE	3	3	1	06	26S	32E	620628	3549186	2094	646	350	296
C 04209 POD2		C	LE	2	3	3	06	26S	32E	620818	3548657	2150	340	155	185
C 04209 POD1		CUB	LE	2	3	3	06	26S	32E	620903	3548619	2231	360	155	205
C 04619 POD1		CUB	ED	2	1	2	27	25S	31E	616750	3552958	4933	55		

Average Depth to Water:

285 feet

Minimum Depth:

155 feet

Maximum Depth: 365 feet

Record Count: 9

**UTMNAD83 Radius Search (in meters):** 

**Easting (X):** 618680.46 **Northing (Y):** 3548417.81 **Radius:** 5000

\*UTM location was derived from PLSS - see Help

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

1/31/23 2:08 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home Contact USGS Search USGS

# **National Water Information System: Web Interface**

**USGS Water Resources** 

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

### Click to hideNews Bulletins

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

Groundwater levels for the Nation

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

### Search Results -- 1 sites found

site no list =

• 320330103462401

### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

### USGS 320330103462401 26S.31E.08.321434

Available data for this site Groundwater: Field measurements GO Eddy County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°03'30", Longitude 103°46'24" NAD27

Land-surface elevation 3,251 feet above NAVD88

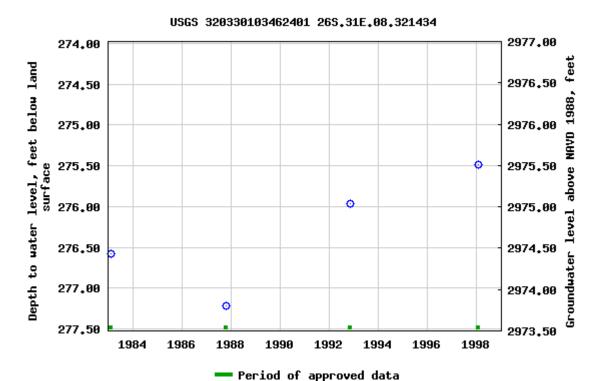
The depth of the well is 380 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

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

### **Output formats**

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



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

Privacy

Policies and Notices

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

**Title: Groundwater for USA: Water Levels** 

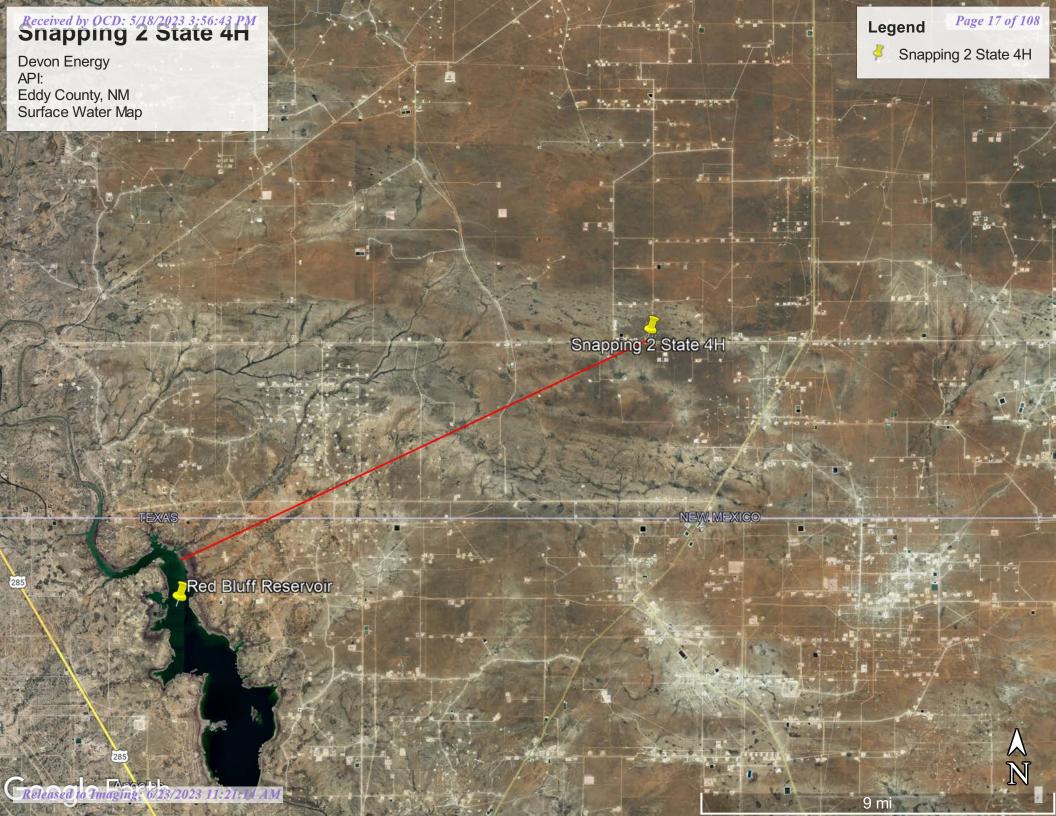
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

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

Page Last Modified: 2023-01-31 16:05:25 EST

0.57 0.47 nadww01







# Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map

# **Eddy Area, New Mexico**

### SM—Simona-Bippus complex, 0 to 5 percent slopes

### Map Unit Setting

National map unit symbol: 1w5x Elevation: 1,800 to 5,000 feet

Mean annual precipitation: 8 to 24 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

### **Map Unit Composition**

Simona and similar soils: 55 percent Bippus and similar soils: 30 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

### **Description of Simona**

### Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

### Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam

H2 - 19 to 23 inches: indurated

### **Properties and qualities**

Slope: 0 to 3 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well 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: 15 percent

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

mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

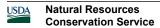
Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

### Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D



Map Unit Description: Simona-Bippus complex, 0 to 5 percent slopes---Eddy Area, New Mexico

Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

### **Description of Bippus**

### Setting

Landform: Flood plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium

### **Typical profile**

H1 - 0 to 37 inches: silty clay loam H2 - 37 to 60 inches: clay loam

### **Properties and qualities**

Slope: 0 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Very low

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

Depth to water table: More than 80 inches Frequency of flooding: OccasionalNone

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

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

mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.7

inches)

### Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: R070BC017NM - Bottomland

Hydric soil rating: No

### **Minor Components**

### Simona

Percent of map unit: 8 percent

Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

### **Bippus**

Percent of map unit: 7 percent

Ecological site: R070BC017NM - Bottomland

Map Unit Description: Simona-Bippus complex, 0 to 5 percent slopes---Eddy Area, New Mexico

Hydric soil rating: No

# **Data Source Information**

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 18, Sep 8, 2022

# **Eddy Area, New Mexico**

### PA—Pajarito loamy fine sand, 0 to 3 percent slopes, eroded

### **Map Unit Setting**

National map unit symbol: 1w54 Elevation: 2,700 to 5,500 feet

Mean annual precipitation: 5 to 15 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 250 days

Farmland classification: Not prime farmland

### **Map Unit Composition**

Pajarito and similar soils: 98 percent Minor components: 2 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

### **Description of Pajarito**

### Setting

Landform: Plains, interdunes, dunes

Landform position (three-dimensional): Side slope

Down-slope shape: Convex, linear Across-slope shape: Linear, convex

Parent material: Mixed alluvium and/or eolian sands

### **Typical profile**

H1 - 0 to 13 inches: loamy fine sand H2 - 13 to 36 inches: fine sandy loam H3 - 36 to 60 inches: fine sandy loam

### **Properties and qualities**

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Very low

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

(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

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

mmhos/cm)

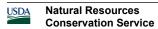
Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 7.9

inches)

### Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 7e



Map Unit Description: Pajarito loamy fine sand, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Hydrologic Soil Group: A

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

### **Minor Components**

### **Berino**

Percent of map unit: 1 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

### Wink

Percent of map unit: 1 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

# **Data Source Information**

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 18, Sep 8, 2022

# National Flood Hazard Layer FIRMette





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

Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF Area with Flood Risk due to Levee Zone D FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLIL Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary **Coastal Transect Baseline** OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent

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 4/30/2023 at 12:31 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.

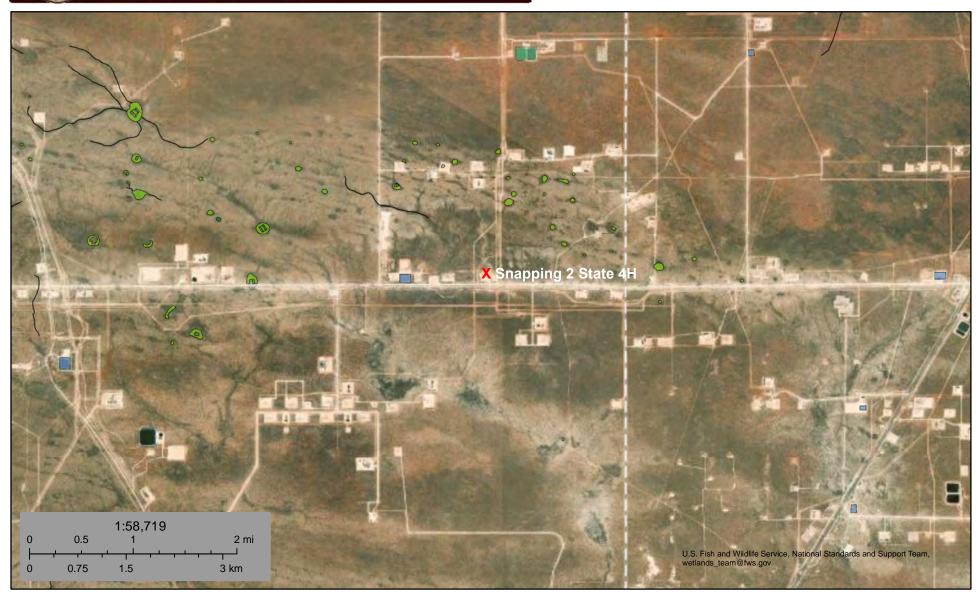
an authoritative property location.

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



January 31, 2023

### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Riverine

Other

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



# Appendix C

C-141 Form

48-Hour Notification

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	NAB1901827794
District RP	2RP-5190
Facility ID	
Application ID	pAB1901827404

# **Release Notification**

# **Responsible Party**

Responsible	Party Devo	n Energy Produc	ction Company	OGR	OGRID 6137					
Contact Nam				Conta	Contact Telephone 575-748-0176					
Contact emai	<sup>il</sup> amanda.	davis@dvn.co	m	Incide	nt # (assigned by OCD) NAB1901827794					
Contact mail	ing address	6488 Seven Ri	vers Hwy							
			Location	of Releas	e Source					
Latitude 32	Latitude 32.0657806 Longitude -103.7426834									
Latitude ——			(NAD 83 in dec	cimal degrees to 5	decimal places)					
Site Name Sr	napping 2	St. 4H		Site T	<sup>VPe</sup> Oil					
Date Release	Discovered	12/19/18		API#	if applicable) 3001539071					
Unit Letter	Section	Township	Range		County					
Р	02	26S	31E		Eddy					
Surface Owner	r. State	☐ Federal ☐ T	ribal Private (A	Jame:	)					
Surface 6 wiles					, and					
			Nature and	l Volume	of Release					
		al(s) Released (Select	all that apply and attach	calculations or sp	ecific justification for the volumes provided below)					
Crude Oil		Volume Release	ed (bbls) 15		Volume Recovered (bbls) 15					
■ Produced	Water	Volume Release	ed (bbls) 64		Volume Recovered (bbls) 64					
			tion of total dissolv water >10,000 mg/	`	DS) Yes No					
Condensa	te	Volume Release			Volume Recovered (bbls)					
Natural G	as	Volume Release	ed (Mcf)		Volume Recovered (Mcf)					
Other (de	scribe)	Volume/Weight	Released (provide	units)	Volume/Weight Recovered (provide units)					
Cause of Rele	A sep	•	valve malfunct n top tank. Sp		ing the vessel to fill up and release through					

Incident ID	
District RP	2RP-5190
Facility ID	
Application ID	pAB1901827404

	<del></del>
Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	This is considered a major release because it is over 25 barrels.
Yes No	
105 110	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	Initial Response
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
■ The source of the rele	ease has been stopped.
■ The impacted area ha	s been secured to protect human health and the environment.
Released materials ha	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.
■ All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions described	d above have not been undertaken, explain why:
has begun, please attach	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and
	required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
failed to adequately investiga	ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In
addition, OCD acceptance of and/or regulations.	f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Kendr	
	DeHoyos Kendra DeHoyos Date: 1/2/19
email: kendra.deh	noyos@dvn.com
OCD Only /	
Received by:	Date: 1/18/2019

	Page 29 of 108
Incident ID	NAB1901827794
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?	<50' (ft bgs)	
Did this release impact groundwater or surface water?		
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?		
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes No	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?		
Are the lateral extents of the release within 300 feet of a wetland?	Yes No	
Are the lateral extents of the release overlying a subsurface mine?	Yes No	
Are the lateral extents of the release overlying an unstable area such as karst geology?		
Are the lateral extents of the release within a 100-year floodplain?		
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	Yes No	
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.		
Characterization Report Checklist: Each of the following items must be included in the report.		
<ul> <li>Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.</li> <li>Field data</li> <li>Data table of soil contaminant concentration data</li> <li>Depth to water determination</li> <li>Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release</li> <li>Boring or excavation logs</li> <li>Photographs including date and GIS information</li> <li>Topographic/Aerial maps</li> <li>Laboratory data including chain of custody</li> </ul>		

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

Received by OCD: 5/18/2023 3:56:43 PM Form C-141 State of New Mexico Oil Conservation Division Page 4

Received by:

Page 30 of 108

Incident ID	NAB1901827794
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Dale Woodall Title: Environmental Professional Signature: Dale Woodall Date: 5/18/2023 email: dale.woodall@dvn.com Telephone: 575-748-1839 **OCD Only** 

Date:

Page 31 of 108

Incident ID	NAB1901827794
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 items must be included in the closure report.						
X A scaled site and sampling diagram as described in 19.15.29.11 NMAC						
x Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)						
X Laboratory analyses of final sampling (Note: appropriate ODC	C District office m	nust be notified 2 days prior to final sampling)				
Description of remediation activities						
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and remuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the confidence with 19.15.29.13 NMAC including notification to the OPrinted Name:  Dale Woodall  Signature:  Dale Woodall  Signature:	a C-141 report by mediate contamina a C-141 report do attions. The responditions that exist of the contamination o	y the OCD does not relieve the operator of liability ation that pose a threat to groundwater, surface water, ses not relieve the operator of responsibility for asible party acknowledges they must substantially ted prior to the release or their final land use in ation and re-vegetation are complete.				
email:dale.woodall@dvn.com	Telephone:	575-748-1839				
OCD Only						
Received by:	Date:					
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and/o	water, human hea					
Closure Approved by: Ashley Maxwell Printed Name: Ashley Maxwell	Date:	6/23/2023				
A 1 1 AA		Environmental Specialist				

 From:
 sebastian@pimaoil.com

 To:
 ocdonline@state.nm.us

 Cc:
 Polly@pimaoil.com

Subject: Snapping 2 State 4H, 48 Hour Notification (NAB1901827794)

**Date:** Tuesday, April 25, 2023 10:12:49 AM

Attachments: <u>image001.png</u>

### Good morning,

Pima Environmental would like to notify you that we will be conducting a confirmation sampling event at the Snapping 2 State 4H (NAB1901827794), on Thursday April 27, 2023. Pima personnel will be on location at 10 am. Thank you.

Respectfully, Sebastian Orozco Environmental Professional 5614 N Lovington Hwy, Hobbs, NM 88240 Sebastian@pimaoil.com 619-721-4813 cell





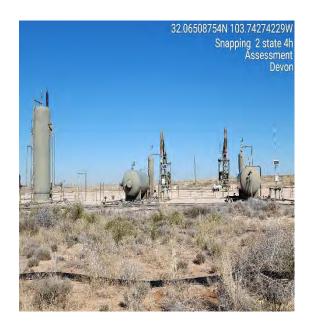
# Appendix D

Photographic Documentation

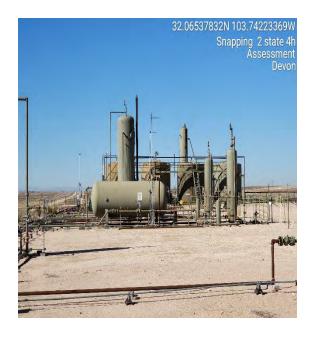


# SITE PHOTOGRAPHS DEVON ENERGY Snapping 2 State 4H

Site Assessment











# Excavation











# 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: Snapping 2 ST 4H

Work Order: E302006

Job Number: 01058-0007

Received: 2/2/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/6/23

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

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

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

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

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

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

Date Reported: 2/6/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Fiams, 1A /9333-024/

Project Name: Snapping 2 ST 4H Workorder: E302006

Date Received: 2/2/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2023 8:15:00AM, under the Project Name: Snapping 2 ST 4H.

The analytical test results summarized in this report with the Project Name: Snapping 2 ST 4H 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

Lynn Jarbuc

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



### **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
S-1 1'	5
S-1 2'	6
S-2 1'	7
S-2 2'	8
S-2 3'	9
S-3 1'	10
S-3 2'	11
S-3 3'	12
S-4 1'	13
S-4 2'	14
S-4 3'	15
S-5 1'	16
S-6 1'	17
QC Summary Data	18
QC - Volatile Organics by EPA 8021B	18
QC - Nonhalogenated Organics by EPA 8015D - GRO	19
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	20
QC - Anions by EPA 300.0/9056A	21
Definitions and Notes	22
Chain of Custody etc	23

### **Sample Summary**

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	Reported:
PO Box 247	Project Number:	01058-0007	Keporteu.
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/06/23 14:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 1'	E302006-01A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-1 2'	E302006-02A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-2 1'	E302006-03A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-2 2'	E302006-04A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-2 3'	E302006-05A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-3 1'	E302006-06A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-3 2'	E302006-07A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-3 3'	E302006-08A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-4 1'	E302006-09A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-4 2'	E302006-10A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-4 3'	E302006-11A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-5 1'	E302006-12A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-6 1'	E302006-13A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

### S-1 1'

		E302000-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.3 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		100 %	50-200	02/02/23	02/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2305052
Chloride	81.6	20.0	1	02/02/23	02/02/23	

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

#### S-1 2'

		D				
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		alyst: IY	7 mary 200	Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	alyst: IY		Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.9 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	alyst: KM		Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		99.3 %	50-200	02/02/23	02/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: BA		Batch: 2305052
Chloride	73.8	20.0	1	02/02/23	02/02/23	



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

### S-2 1'

E302	$\alpha \alpha c$	Λ2
H. 311/	uun	-11 3

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: IY		Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
o,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	alyst: IY		Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.7 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	alyst: KM		Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		99.6 %	50-200	02/02/23	02/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: BA		Batch: 2305052
	405	20.0	1	02/02/23	02/02/23	



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

#### S-2 2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	Analyst: KM		Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		103 %	50-200	02/02/23	02/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2305052
Chloride	395	20.0	1	02/02/23	02/02/23	

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

#### S-2 3'

Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2305048
ND	0.0250	1	02/02/23	02/02/23	
ND	0.0250	1	02/02/23	02/02/23	
ND	0.0250	1	02/02/23	02/02/23	
ND	0.0250	1	02/02/23	02/02/23	
ND	0.0500	1	02/02/23	02/02/23	
ND	0.0250	1	02/02/23	02/02/23	
	104 %	70-130	02/02/23	02/02/23	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2305048
ND	20.0	1	02/02/23	02/02/23	
	90.1 %	70-130	02/02/23	02/02/23	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2305057
ND	25.0	1	02/02/23	02/02/23	_
ND	50.0	1	02/02/23	02/02/23	
	102 %	50-200	02/02/23	02/02/23	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2305052
	ND ND ND ND ND ND ND ND ND Mg/kg ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           IO4 %         mg/kg           MD         20.0           90.1 %         mg/kg           ND         25.0           ND         50.0	Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           90.1 %         70-130           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         02/02/23           ND         0.0250         1         02/02/23           ND         0.0250         1         02/02/23           ND         0.0500         1         02/02/23           ND         0.0500         1         02/02/23           ND         0.0250         1         02/02/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         02/02/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         02/02/23           ND         50.0         1         02/02/23	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           ND         0.0500         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         02/02/23         02/02/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         02/02/23         02/02/23           ND         50.0         1         02/02/23         02/02/23



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

#### S-3 1'

		Domontino				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.9 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		99.8 %	50-200	02/02/23	02/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2305052
Chloride	130	20.0	1	02/02/23	02/02/23	



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

#### S-3 2'

	Danastin a				
Result	Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2305048
ND	0.0250	1	02/02/23	02/02/23	
ND	0.0250	1	02/02/23	02/02/23	
ND	0.0250	1	02/02/23	02/02/23	
ND	0.0250	1	02/02/23	02/02/23	
ND	0.0500	1	02/02/23	02/02/23	
ND	0.0250	1	02/02/23	02/02/23	
	103 %	70-130	02/02/23	02/02/23	
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2305048
ND	20.0	1	02/02/23	02/02/23	
	89.1 %	70-130	02/02/23	02/02/23	
mg/kg	mg/kg	Ana	alyst: KM		Batch: 2305057
ND	25.0	1	02/02/23	02/02/23	
ND	50.0	1	02/02/23	02/02/23	
	98.2 %	50-200	02/02/23	02/02/23	
_	7	A	alyst: BA		Batch: 2305052
mg/kg	mg/kg	Alla	aiyst: bA		Batch: 2303032
	mg/kg  ND	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           MD         20.0250           89.1 %         mg/kg           mg/kg         mg/kg           ND         25.0           ND         50.0	Result         Limit         Dilution           mg/kg         mg/kg         Am           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           mg/kg         mg/kg         Am           ND         20.0         1           89.1 %         70-130           mg/kg         mg/kg         Am           ND         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         02/02/23           ND         0.0250         1         02/02/23           ND         0.0250         1         02/02/23           ND         0.0250         1         02/02/23           ND         0.0500         1         02/02/23           ND         0.0250         1         02/02/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         02/02/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         02/02/23           ND         25.0         1         02/02/23           ND         50.0         1         02/02/23	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           ND         0.0500         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         02/02/23         02/02/23           89.1 %         70-130         02/02/23         02/02/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         02/02/23         02/02/23           ND         50.0         1         02/02/23         02/02/23



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

#### S-3 3'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: KM		Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		102 %	50-200	02/02/23	02/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2305052
Chloride	ND	20.0	1	02/02/23	02/02/23	



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

#### S-4 1'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		98.4 %	50-200	02/02/23	02/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2305052
· · · · · · · · · · · · · · · · · · ·	1140	20.0		02/02/23	02/02/23	•



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

#### S-4 2'

	Danastina				
Result		Dilutio	on Prepared	Analyzed	Notes
			1	7 mary Zed	Batch: 2305048
		1	-	02/02/23	Batch. 2303040
		1			
		1			
ND	0.0250	1	02/02/23	02/02/23	
ND	0.0250	1	02/02/23	02/02/23	
ND	0.0500	1	02/02/23	02/02/23	
ND	0.0250	1	02/02/23	02/02/23	
	104 %	70-130	02/02/23	02/02/23	
mg/kg	mg/kg	A	nalyst: IY		Batch: 2305048
ND	20.0	1	02/02/23	02/02/23	
	91.5 %	70-130	02/02/23	02/02/23	
mg/kg	mg/kg	A	nalyst: KM		Batch: 2305057
ND	25.0	1	02/02/23	02/02/23	
ND	50.0	1	02/02/23	02/02/23	
	101 %	50-200	02/02/23	02/02/23	
mg/kg	101 % mg/kg		02/02/23 nalyst: BA	02/02/23	Batch: 2305052
-	ND ND ND mg/kg ND	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           MD         20.0250           MD         20.0           91.5 %         mg/kg           MB/kg         mg/kg           ND         25.0	Result         Limit         Diluti           mg/kg         mg/kg         A           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           Mg/kg         mg/kg         A           ND         20.0         1           91.5 %         70-130           mg/kg         mg/kg         A           ND         25.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         02/02/23           ND         0.0250         1         02/02/23           ND         0.0250         1         02/02/23           ND         0.0250         1         02/02/23           ND         0.0500         1         02/02/23           ND         0.0250         1         02/02/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         02/02/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         02/02/23	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         Analyst: IY           ND         0.0250         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           ND         0.0500         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         02/02/23         02/02/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         02/02/23         02/02/23



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

#### S-4 3'

	D					
Dagult		Dily	+i	Duamanad	Amalagad	Notes
Kesuit	Limit	Dilu	uon	rrepared	Anaiyzed	inotes
mg/kg	mg/kg		Analyst:	IY		Batch: 2305048
ND	0.0250	1		02/02/23	02/02/23	
ND	0.0250	1		02/02/23	02/02/23	
ND	0.0250	1		02/02/23	02/02/23	
ND	0.0250	1		02/02/23	02/02/23	
ND	0.0500	1		02/02/23	02/02/23	
ND	0.0250	1		02/02/23	02/02/23	
	104 %	70-130		02/02/23	02/02/23	
mg/kg	mg/kg		Analyst:	IY		Batch: 2305048
ND	20.0	1		02/02/23	02/02/23	
	86.9 %	70-130		02/02/23	02/02/23	
mg/kg	mg/kg		Analyst:	KM		Batch: 2305057
ND	25.0	1		02/02/23	02/03/23	
ND	50.0	1		02/02/23	02/03/23	
	104 %	50-200		02/02/23	02/03/23	
mg/kg	104 % mg/kg		Analyst:		02/03/23	Batch: 2305052
	ND ND ND ND ND ND ND ND ND Mg/kg ND	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           MD         20.0250           MD         20.0           86.9 %         mg/kg           mg/kg         mg/kg           ND         25.0	Result         Limit         Dilu           mg/kg         mg/kg           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         1           mg/kg         mg/kg         1           86.9 %         70-130         1           mg/kg         mg/kg         1           ND         25.0         1	Result         Limit         Dilution           mg/kg         mg/kg         Analyst:           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         70-130           mg/kg         mg/kg         Analyst:           ND         20.0         1           86.9 %         70-130           mg/kg         mg/kg         Analyst:           ND         25.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         02/02/23           ND         0.0250         1         02/02/23           ND         0.0250         1         02/02/23           ND         0.0250         1         02/02/23           ND         0.0500         1         02/02/23           ND         0.0250         1         02/02/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         02/02/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         02/02/23	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           ND         0.0500         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           ND         0.0250         1         02/02/23         02/02/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         02/02/23         02/02/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         02/02/23         02/03/23



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

#### S-5 1'

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		vst: IY		Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KM		Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/03/23	
Surrogate: n-Nonane		103 %	50-200	02/02/23	02/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: BA		Batch: 2305052
·	ND	20.0	•	02/02/23	02/02/23	<u> </u>



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

#### S-6 1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	02/02/23	02/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/03/23	
Surrogate: n-Nonane		99.9 %	50-200	02/02/23	02/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2305052
Chloride	ND	20.0	1	02/02/23	02/02/23	_



### **QC Summary Data**

Snapping 2 ST 4H Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 2/6/2023 2:55:22PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2305048-BLK1) Prepared: 02/02/23 Analyzed: 02/02/23 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 8.18 8.00 102 70-130 LCS (2305048-BS1) Prepared: 02/02/23 Analyzed: 02/02/23 4.76 95.2 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.84 0.0250 5.00 96.8 70-130 4.94 0.0250 5.00 98.8 70-130 Toluene 99.9 o-Xylene 4.99 0.0250 5.00 70-130 9.82 10.0 98.2 70-130 0.0500 p.m-Xvlene 98.8 70-130 14.8 15.0 Total Xylenes 0.0250 8.00 103 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.22 Matrix Spike (2305048-MS1) Source: E302006-02 Prepared: 02/02/23 Analyzed: 02/02/23 4.71 0.0250 5.00 ND 94.2 54-133 Benzene ND 61-133 Ethylbenzene 4.80 0.0250 5.00 96.0 Toluene 4.90 0.0250 5.00 ND 97.9 61-130 4.96 ND 99.1 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.73 0.0500 10.0 ND 97.3 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.37 8.00 Matrix Spike Dup (2305048-MSD1) Source: E302006-02 Prepared: 02/02/23 Analyzed: 02/02/23 4.82 0.0250 5.00 ND 54-133 2.19 20 61-133 4.90 0.0250 5.00 ND 97.9 1.98 20 Ethylbenzene 61-130 Toluene 5.00 0.0250 5.00 ND 100 2 13 20 5.07 5.00 ND 101 63-131 2.18 20 o-Xylene 0.0250 9.94 10.0 ND 99.4 63-131 2.13 20 p,m-Xylene 0.0500



15.0

8.35

0.0250

15.0

8.00

ND

100

104

63-131

70-130

2.15

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Snapping 2 ST 4HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum2/6/20232:55:22PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				2	2/6/2023 2:55:22PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2305048-BLK1)							Prepared: 0	2/02/23 An	alyzed: 02/02/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		92.9	70-130			
LCS (2305048-BS2)							Prepared: 0	2/02/23 An	alyzed: 02/02/23
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.7	70-130			
Matrix Spike (2305048-MS2)				Source:	E302006-	02	Prepared: 0	2/02/23 An	alyzed: 02/02/23
Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		92.9	70-130			
Matrix Spike Dup (2305048-MSD2)				Source:	E302006-	02	Prepared: 0	2/02/23 An	alyzed: 02/02/23

50.0

8.00

ND

97.0

90.7

70-130

70-130

0.888

20

48.5

7.26

20.0

### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Snapping 2 ST 4HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum2/6/2023 2:55:22PM

Plains TX, 79355-0247		Project Manager	r: 10	m Bynum					2/6/2023 2:55:22PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2305057-BLK1)							Prepared: 0	2/02/23 A	nalyzed: 02/02/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	47.1		50.0		94.3	50-200			
LCS (2305057-BS1)							Prepared: 0	2/02/23 A	nalyzed: 02/02/23
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
urrogate: n-Nonane	50.5		50.0		101	50-200			
Matrix Spike (2305057-MS1)				Source:	E302006-	06	Prepared: 0	2/02/23 A	nalyzed: 02/02/23
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132			
urrogate: n-Nonane	48.6		50.0		97.2	50-200			
Matrix Spike Dup (2305057-MSD1)				Source:	E302006-	06	Prepared: 0	2/02/23 A	nalyzed: 02/02/23
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	1.70	20	
urrogate: n-Nonane	45.8		50.0		91.7	50-200			

Chloride

### **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager	C	Snapping 2 ST 4 01058-0007 Fom Bynum	Н				<b>Reported:</b> 2/6/2023 2:55:22PM
1 Idins 175, 77555 02+7				300.0/9056A					Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2305052-BLK1)							Prepared: 0	2/02/23 A	nalyzed: 02/02/23
Chloride	ND	20.0							
LCS (2305052-BS1)							Prepared: 0	2/02/23 A	analyzed: 02/02/23
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2305052-MS1)				Source: 1	E <b>302006</b> -	01	Prepared: 0	2/02/23 A	nalyzed: 02/02/23
Chloride	326	20.0	250	81.6	98.0	80-120			
Matrix Spike Dup (2305052-MSD1)				Source: 1	E <b>302006</b> -	01	Prepared: 0	2/02/23 A	analyzed: 02/02/23

250

20.0

81.6

106

80-120

6.24

20

#### QC Summary Report Comment:

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



### **Definitions and Notes**

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/06/23 14:55

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	Informatio

~1			0
Chi	aın	of	Custody

			20
Page _	1	_ of _	

Client: Pima Environmental Services	Bill To				Lab	Use	Only					TA	T	EPA P	rogram
Project: Snapping Z ST 4H Project Manager: Fom Bynum	Attention: Devon Energy	_	Lab \	WO#	204	J		umber		1D	2D	3D	Standard	CWA	SDWA
	Address.		ES	020	$\infty C$			8-00					X		DCDA
Address: 5614 N. Lovington Hwy.	City, State, Zip Phone:	-				A	nalysi	s and M	ethod			-			RCRA
City, State, Zip Hobbs, NM, 88240	The state of the s		100	0.5					1 1	91 ]				Ctoto	
Phone: 580-748-1613	Email:		8015	3015			ы.					1 1	NM CO	State	TVI
Email: tom@pimaoil.com Report due by:	Pima Project # 1-235		by 8	by 8	021	260	10	300.0		N	<b>X</b>	8 9	V	UT AZ	TX
	1 233	Lab	ORC	DRC	by 8	8 / 6	ls 60	ide			177		1		
Sampled Sampled Matrix Containers Sample ID		Number	DRO/ORO by	GRO/DRO by 8015	втех by 802	VOC by 8260	Metals 6010	Chloride 300.0		верос	BGDOC			Remarks	
8:00 1/27/23 5 1 5-1 1		1								X					
8:05       5-1 2		2								1					
8:10 5-2 1		3													
8:15 5-2 2	1	4													
8:20 5-2 3	<i>r</i>	5													
8:25 5-3 1	)	6													
8:30 5-3 2	,	7													
8:35 5-3 3	1	8													
8:40 5-4 1		9							13						
8:45 5-4 2	1	10							13	1					
Additional Instructions:	on Energy														
I, (field sampler), attest to the validity and authenticity of this sample. I a date or time of collection is considered fraud and may be grounds for legs	m aware that tampering with or intentionally mislabellin	ng the sample	locatio 0/12	ole	25	100							eived on ice the day °C on subsequent d		ed or received
Relinquished by: (Signature)    Date   Time   1-31-23   2:	Received by: (Signature)	Date / -3/.		Time 14			Pacai	ed on	ice:		ab U	se Onl	у	Long-	
Relinquished by: (Signature)  Multiplicate 1-3/27 Time  17	Received by: (Signature)	Date 2-1-2		Time			1	red oil		T2	/ · · ·	198	<u>T3</u>		
Relinquished by: (Signature) Date Time 2-1-23 236	Received by: (Fignature) At	2/2/2	3	Time 3:	15	1	AVG T	emp°(	4						
Sample Matrix S - Soil Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Container				- pol	y/plas	tic, ag -	ambe						
Note: Samples are discarded 30 days after results are reported un									ne clien	nt exp	ense.	The re	port for the an	alysis of the	above
samples is applicable only to those samples received by the labor	atory with this COC. The liability of the laboratory	is limited to	the ar	mount	paid fo	or on	the rep	ort.							



Project I	nformation
-----------	------------

Chain of Custody

	7	- C
Page	C of	6

Client: F	ima Envi	ironmen	tal Servi	ces			ion: Dever Ener					Lab	Us	e On	ly				TA	AT .	EPA P	rogram
Project:	Snap	ping	ZST	HH		Attent	ion: Devon Ene	egy		Lab	WO#					1D 2	2D	3D	Standard	CWA	SDWA	
	Nanager: 5614 N.					Audie	33.			1	020	2000			58-0007		_			1/		RCRA
	e, Zip Ho					Phone	tate, Zip						Ť	Analy	sis and Meth	100					-	KCKA
	580-748-		VI. 00241			Email		- 1		10	10										State	
	tom@pin		n			-		-		8015	801				0					NMI CO	UT AZ	TXT
Report d		100111001				Pima	Project # /-233	-		O by	,0 by	8021	8260	010	300.		NM	7		X	7	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID					Lab Number	DRO/ORO by	GRO/DRO by 8015	втех by 802.	VOC by 8260	Metals 6010	Chloride 300.0		верос	верос			Remarks	
8:50	1/27/23	5	1	5-4	3'				11								$\chi$					
8:55	1	_1		5-5	1'				12								1					
9:00	ı	L		5-6	1'				13								1					
							N	7								$\dagger$						
																+						
								-				-1	-			+	-				-	-
																+						
												_				4						
Addition	nal Instruc	tions:	3.11	10 1	20,10	51	Eneray	1														
And the second second				ticity of this san	nple. I am a	ware that	tampering with or intentionally n		ng the sample	locatio	on,	ale								ceived on ice the day		led or received
	ed by: (Sign		Date	9	Time	R	eceived by: (Signature)	1	Date	010	Time	418	_						se On	ily		
1180	grafe	115		31-23	2:00		Middle Cinc	WI	1-31-	23	14	15		Rece	eived on ice		(Y	)/ N	ľ			
MIC		mals	Date	31-23	Time	) R	eceived by: (Signature)	w.	2-1-2	23	Time (7	2		T1	,	1	Γ2			<u>T3</u>		
11/	led by: (Sign:	Les	Date	-1-23	Time Z3U	R /	eceived by: (Signature)	tu	Date 2/2/2	3	Time	15		AVG	Temp °C	4						
				Aqueous, O - Ot			with the		Container	Type					astic, ag - an	ber	glas	s. v -	VOA			
						ss other a	rrangements are made. Haz													eport for the ar	alysis of the	above
							his COC. The liability of the lab															



Printed: 2/2/2023 3:59:46PM

#### **Envirotech Analytical Laboratory**

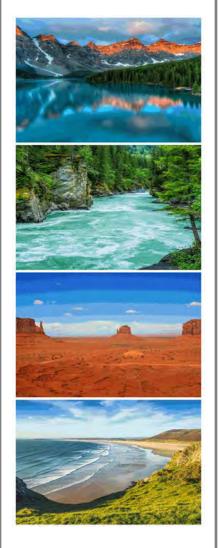
Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	02/02/23 08	·15		Work Order ID:	E302006
Phone:	(575) 631-6977	Date Logged In:	02/01/23 15			Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	02/07/23 17	7:00 (3 day TAT)			
Chain of	f Custody (COC)						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location ma	tch the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	carrier. <u>es</u>	<u>ourici</u>		
	all samples received within holding time?	,,	Yes				
. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		100			Comment	s/Resolution
Cample!		on.		Г			
	Turn Around Time (TAT)		Yes				
	e COC indicate standard TAT, or Expedited TAT?		105				
Sample 7	sample cooler received?		Yes				
	was cooler received in good condition?						
•	<del>-</del>		Yes				
	ne sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
12. Was ti	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes				
13. If no	visible ice, record the temperature.	temperature: 4°	<u>C</u>				
Sample	<u>Container</u>						
14. Are a	aqueous VOC samples present?		No				
15. Are 3	VOC samples collected in VOA Vials?		NA				
16. Is the	e 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 1	non-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field La	<u>bel</u>						
20. Were	field sample labels filled out with the minimum info	ormation:					
S	Sample ID?		Yes				
	Date/Time Collected?		Yes	L			
	Collectors name?		No				
	Preservation	10					
	the COC or field labels indicate the samples were pr	reserved?	No				
	sample(s) correctly preserved?	. 1.0	NA				
	o filteration required and/or requested for dissolved n	netais?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes	s, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcont	ract Laboratory						
28. Are s	samples required to get sent to a subcontract laborato	ry?	No				
29. Was	a subcontract laboratory specified by the client and it	f so who?	NA S	Subcontract Lab:	: NA		
Client I	nstruction						
<u>enene i</u>	non action						

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: Snapping 2 ST 4H

Work Order: E302010

Job Number: 01058-0007

Received: 2/2/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/8/23

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

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

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

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

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

Date Reported: 2/8/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Snapping 2 ST 4H

Workorder: E302010

Date Received: 2/2/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2023 8:15:00AM, under the Project Name: Snapping 2 ST 4H.

The analytical test results summarized in this report with the Project Name: Snapping 2 ST 4H 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

Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Rayny Hagan

Envirotech Web Address: www.envirotech-inc.com



### **Table of Contents**

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

### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	Reported:
PO Box 247	Project Number:	01058-0007	Keporteu:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/08/23 09:07

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SW-1	E302010-01A Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
SW-2	E302010-02A Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
SW-3	E302010-03A Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
SW-4	E302010-04A Soil	01/27/23	02/02/23	Glass Jar, 2 oz.



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:07:48AM

### SW-1

		E302010-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2305051
Benzene	ND	0.0250	1	02/02/23	02/03/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/03/23	
Toluene	ND	0.0250	1	02/02/23	02/03/23	
o-Xylene	ND	0.0250	1	02/02/23	02/03/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/03/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/03/23	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	02/02/23	02/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2305051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.8 %	70-130	02/02/23	02/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2305042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		103 %	50-200	02/02/23	02/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2305061
Chloride	ND	20.0	1	02/02/23	02/03/23	



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:07:48AM

### SW-2

	D (				
D 1:		D.1	ъ .		NT .
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: SL		Batch: 2305051
ND	0.0250	1	02/02/23	02/03/23	
ND	0.0250	1	02/02/23	02/03/23	
ND	0.0250	1	02/02/23	02/03/23	
ND	0.0250	1	02/02/23	02/03/23	
ND	0.0500	1	02/02/23	02/03/23	
ND	0.0250	1	02/02/23	02/03/23	
	102 %	70-130	02/02/23	02/03/23	
mg/kg	mg/kg	Anal	yst: SL		Batch: 2305051
ND	20.0	1	02/02/23	02/03/23	
	87.8 %	70-130	02/02/23	02/03/23	
mg/kg	mg/kg mg/kg		yst: KM	Batch: 2305042	
ND	25.0	1	02/02/23	02/02/23	_
ND	50.0	1	02/02/23	02/02/23	
	102 %	50-200	02/02/23	02/02/23	
mg/kg	mg/kg	Anal	Analyst: BA		Batch: 2305061
	ND Mg/kg ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           IO2 %         mg/kg           MD         20.0           87.8 %         mg/kg           ND         25.0           ND         50.0           102 %	Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           Mg/kg         mg/kg         Anal           ND         20.0         1           87.8 %         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           102 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/02/23           ND         0.0250         1         02/02/23           ND         0.0250         1         02/02/23           ND         0.0500         1         02/02/23           ND         0.0250         1         02/02/23           ND         0.0250         1         02/02/23           mg/kg         70-130         02/02/23           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/02/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         02/02/23           ND         50.0         1         02/02/23           102 %         50-200         02/02/23	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/02/23         02/03/23           ND         0.0250         1         02/02/23         02/03/23           ND         0.0250         1         02/02/23         02/03/23           ND         0.0500         1         02/02/23         02/03/23           ND         0.0250         1         02/02/23         02/03/23           ND         0.0250         1         02/02/23         02/03/23           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/02/23         02/03/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         02/02/23         02/02/23           ND         25.0         1         02/02/23         02/02/23           ND         50.0         1         02/02/23         02/02/23           ND         50.0         1         02/02/23         02/02/23



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:07:48AM

### SW-3

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2305051
Benzene	ND	0.0250	1	02/02/23	02/03/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/03/23	
Toluene	ND	0.0250	1	02/02/23	02/03/23	
o-Xylene	ND	0.0250	1	02/02/23	02/03/23	
o,m-Xylene	ND	0.0500	1	02/02/23	02/03/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/03/23	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	02/02/23	02/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2305051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	02/02/23	02/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	Analyst: KM		Batch: 2305042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		106 %	50-200	02/02/23	02/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	Analyst: BA		Batch: 2305061
Chloride	ND	20.0	1	02/02/23	02/03/23	



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:07:48AM

#### **SW-4**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2305051
Benzene	ND	0.0250	1	02/02/23	02/03/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/03/23	
Toluene	ND	0.0250	1	02/02/23	02/03/23	
o-Xylene	ND	0.0250	1	02/02/23	02/03/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/03/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/03/23	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	02/02/23	02/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2305051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	70-130	02/02/23	02/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	Analyst: KM		Batch: 2305042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		109 %	50-200	02/02/23	02/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2305061
Chloride	ND	20.0	1	02/02/23	02/03/23	



### **QC Summary Data**

		QC Si	umma	пу рас	а				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number:	01	napping 2 ST	4Н				Reported: 2/8/2023 9:07:48AM
Flams 1A, /9555-024/		Project Manager:	10	эш Буниш					2/8/2023 9:07:46AM
		Volatile O	rganics b	oy 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 (2305051-BLK1)							Prepared: 0	2/02/23 Ar	nalyzed: 02/03/23
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	8.28		8.00		103	70-130			
LCS (2305051-BS1)							Prepared: 0	2/02/23 Ar	nalyzed: 02/03/23
Benzene	5.01	0.0250	5.00		100	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	5.10	0.0250	5.00		102	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			
Matrix Spike (2305051-MS1)				Source:	E302010-	01	Prepared: 0	2/02/23 Ar	nalyzed: 02/03/23
Benzene	4.63	0.0250	5.00	ND	92.6	54-133			
Ethylbenzene	4.71	0.0250	5.00	ND	94.1	61-133			
Toluene	4.80	0.0250	5.00	ND	96.1	61-130			
o-Xylene	4.85	0.0250	5.00	ND	97.1	63-131			
p,m-Xylene	9.54	0.0500	10.0	ND	95.4	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	70-130			
Matrix Spike Dup (2305051-MSD1)				Source:	E302010-	01	Prepared: 0	2/02/23 Ar	nalyzed: 02/03/23
Benzene	4.89	0.0250	5.00	ND	97.9	54-133	5.56	20	
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	61-133	5.27	20	
Toluene	5.07	0.0250	5.00	ND	101	61-130	5.39	20	
o-Xylene	5.13	0.0250	5.00	ND	103	63-131	5.48	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	5.42	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	5.44	20	



70-130

Surrogate: 4-Bromochlorobenzene-PID

8.55

### **QC Summary Data**

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:07:48AM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					2/8/2023 9:07:48AM
	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 (2305051-BLK1)							Prepared: 02	2/02/23 An	alyzed: 02/03/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			
LCS (2305051-BS2)							Prepared: 02	2/02/23 An	alyzed: 02/03/23
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.6	70-130			
Matrix Spike (2305051-MS2)				Source:	E302010-	01	Prepared: 02	2/02/23 An	alyzed: 02/03/23
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			
Matrix Spike Dup (2305051-MSD2)				Source:	E302010-0	01	Prepared: 02	2/02/23 An	alyzed: 02/03/23
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	0.0427	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			

Surrogate: n-Nonane

### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Snapping 2 ST 4HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum2/8/2023 9:07:48AM

Plains 1 X, /9353-024/		Project Manage	r: 10	m Bynum				21	6/2023 9:07:46Alv		
	Nonhalogenated Organics by EPA 8015D - DRO/ORO								Analyst: RAS		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2305042-BLK1)							Prepared: 02	2/01/23 Ana	lyzed: 02/01/23		
Diesel Range Organics (C10-C28)	ND	25.0									
Oil Range Organics (C28-C36)	ND	50.0									
Surrogate: n-Nonane	53.8		50.0		108	50-200					
LCS (2305042-BS1)							Prepared: 02	2/01/23 Ana	lyzed: 02/01/23		
Diesel Range Organics (C10-C28)	266	25.0	250		106	38-132					
Surrogate: n-Nonane	51.7		50.0		103	50-200					
LCS Dup (2305042-BSD1)							Prepared: 02	2/01/23 Ana	lyzed: 02/01/23		
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132	0.292	20			

50-200



# **QC Summary Data**

Pima Environmental Services-Carlsbad		Project Name:		napping 2 ST 4	4H				Reported:
PO Box 247 Plains TX, 79355-0247		Project Number: Project Manager:		om Bynum					2/8/2023 9:07:48AM
		Anions	by EPA	300.0/9056 <i>A</i>	1				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2305061-BLK1)							Prepared: 02	2/02/23	Analyzed: 02/02/23
Chloride	ND	20.0							
LCS (2305061-BS1)							Prepared: 02	2/02/23	Analyzed: 02/03/23
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2305061-MS1)				Source:	E302010-0	)1	Prepared: 02	2/02/23	Analyzed: 02/03/23
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2305061-MSD1)				Source:	E302010-0	)1	Prepared: 02	2/02/23	Analyzed: 02/03/23
Chloride	250	20.0	250	ND	100	80-120	0.0244	20	

#### QC Summary Report Comment:

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



## **Definitions and Notes**

ſ	Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
١	PO Box 247	Project Number:	01058-0007	Reported:
١	Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/08/23 09:07

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.

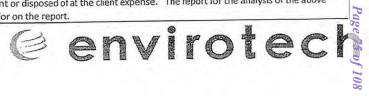
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project	Information

		1
1	of	1
	1	/ of

Project Information		f Custody											Page	e	_ of
Client: Pima Environmental Services	Attention: Devon Energy Address:	-			Lab	o Use	e Only		1		TAT		E	PA Pro	ogram
Project: Spanna ZST 4H	Attention: Devon Energy		Lab V	NO#			Job Nur	mber	1D	2D	3D 3	Standar	d C'	WA	SDWA
Project: Snapprng ZST 4H Project Manager: Tom Bynum	Address:		E 3	302	2010			5-0007				X			RCRA
Address: 56 14 N. Lovington Hwy.	City, State, Zip		_	_			Analysis	and Metho	d			-	-		KCKA
City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613	Phone: Email:		rú	ιη.										ate	
Email: tom@pimaoil.com			y 801	y 801	-	0	0,0		5			NM	CO UT	AZ	TX
Report due by:	Pima Project# /-235		RO b	RO b	γ 802	826	6010		NN	7		X			
Time Date Matrix No. of Containers Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010 Chloride 300.0		ВСБОС	верос			Rei	marks	
10:00 1/27/23 S 1 SW-1		1							X						
		7													
10:05 SW-Z		2		Щ					++			-			
10:10 Sw-3		3													
10:15 SW-H		4	1												
						-31									
	<u> </u>	1-61 Cu		-					+				_		
										-					
			Ħ					-	+	-		_			
	, ·														
Additional Instructions: By To D	evon Energy:	<b>l</b>													
I, (field sampler), attest to the validity and authenticity of this sample date or time of collection is considered fraud and may be grounds for	I am aware that tampering with cointentionally mislabelling all the sampled by:	ng the sample	tocation of the second	on, 120	les		Samples re packed in i	equiring therma ice at an avg ter	l preserv mp above	ation mu O but le	st be rece ss than 6 °	ived on ice th 'C on subsequ	e day they ent days.	are sampl	ed or received
Relinquished by: (Signature) Date Time  11.P.G. Kulch 2-1-23 Z	Received by: (Signature)	Date	23	Time	600		Receiv	ed on ice:			se Only	ý	-1	al .	
Relinquished by (Signature) Date Time	Received by: (Signature)	Date 2-/-2	3	Time 17e	00		T1.		<u>T2</u>	- 4		<u>T3</u>			
Relinquished by: (Signature) Date Time	Received by: Signature 1	2/2/2	3	1 9	:15		AVG T		4	10	7 4 4	0 0	-		
Sample Matrix Soll Ad - Solid Se - Studge A - Aqueous O - Other		Container	Туре	g-	glass	p - pc	oly/plas	tic, ag - am	ber gla	ass, v -	VOA			F11	- bases
Note: Samples are discarded 30 days after results are reporter samples is applicable only to those samples received by the la	d unless other arrangements are made. Hazardous	samples will	be ret	turned	to clie	ent or	dispose	d of at the cl	lient ex	pense.	The re	port for th	ne analys	is or the	above



Printed: 2/2/2023 9:18:37AM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

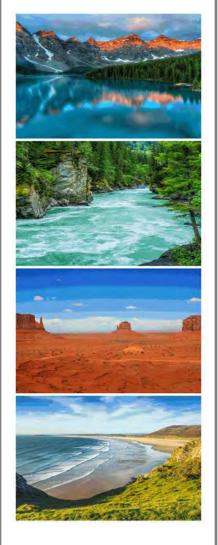
Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	02/02/23	08:15		Work Order ID:	E302010
Phone:	(575) 631-6977	Date Logged In:	02/01/23	16:21		Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	02/08/23	17:00 (4 day TAT)			
	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	<u>Courier</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			<u>Comment</u>	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	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				
	were custody/security seals intact?		NA				
•	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes				
13. If no v	visible ice, record the temperature.  Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>Container</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	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<u>oel</u>						
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected? ollectors name?		Yes	'			
	reservation		No				
-	the COC or field labels indicate the samples were properties.	reserved?	No				
	ample(s) correctly preserved?	reserved:	NA				
	filteration required and/or requested for dissolved n	netals?	No				
			110				
	se Sample Matrix the sample have more than one phase, i.e., multipha	50°	NI.				
	, does the COC specify which phase(s) is to be analy		No				
		yzeur	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborato	-	No				
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab	o: NA		
Client In	<u>istruction</u>						

Date

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

## Pima Environmental Services-Carlsbad

Project Name: Hackberry 18 Fed 2

Work Order: E302011

Job Number: 01058-0007

Received: 2/2/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/8/23

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

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

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

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

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

Date Reported: 2/8/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Hackberry 18 Fed 2

Workorder: E302011

Date Received: 2/2/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2023 8:15:00AM, under the Project Name: Hackberry 18 Fed 2.

The analytical test results summarized in this report with the Project Name: Hackberry 18 Fed 2 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

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



## **Table of Contents**

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

# Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	Denouted
PO Box 247	Project Number: 01058-0007		Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/08/23 09:09

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SW-1	E302011-01A Soil	01/30/23	02/02/23	Glass Jar, 2 oz.
SW-2	E302011-02A Soil	01/30/23	02/02/23	Glass Jar, 2 oz.
SW-3	E302011-03A Soil	01/30/23	02/02/23	Glass Jar, 2 oz.
SW-4	E302011-04A Soil	01/30/23	02/02/23	Glass Jar, 2 oz.



Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:09:59AM

## SW-1

	_	Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2305051
Benzene	ND	0.0250	1	02/02/23	02/03/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/03/23	
Toluene	ND	0.0250	1	02/02/23	02/03/23	
o-Xylene	ND	0.0250	1	02/02/23	02/03/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/03/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/03/23	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/02/23	02/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2305051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	02/02/23	02/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2305040
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		99.9 %	50-200	02/02/23	02/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2305061
	ND	20.0		02/02/23	02/03/23	·



Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:09:59AM

## SW-2

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Limit	Dilution	Trepared	Anaryzeu	rvotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2305051
Benzene	ND	0.0250	1	02/02/23	02/03/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/03/23	
Toluene	ND	0.0250	1	02/02/23	02/03/23	
o-Xylene	ND	0.0250	1	02/02/23	02/03/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/03/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/03/23	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	02/02/23	02/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2305051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	02/02/23	02/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2305040
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		105 %	50-200	02/02/23	02/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2305061



Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:09:59AM

## SW-3

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2305051
Benzene	ND	0.0250	1	02/02/23	02/03/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/03/23	
Toluene	ND	0.0250	1	02/02/23	02/03/23	
o-Xylene	ND	0.0250	1	02/02/23	02/03/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/03/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/03/23	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/02/23	02/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2305051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	02/02/23	02/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2305040
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		106 %	50-200	02/02/23	02/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2305061
Chloride	ND	20.0	1	02/02/23	02/03/23	



Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:09:59AM

### **SW-4**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2305051
Benzene	ND	0.0250	1	02/02/23	02/03/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/03/23	
Toluene	ND	0.0250	1	02/02/23	02/03/23	
o-Xylene	ND	0.0250	1	02/02/23	02/03/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/03/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/03/23	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	02/02/23	02/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2305051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.9 %	70-130	02/02/23	02/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2305040
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		106 %	50-200	02/02/23	02/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2305061
Chloride	ND	20.0	1	02/02/23	02/03/23	_

# **OC Summary Data**

		QC SI	umm	ary Dat	a				
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:	0	Hackberry 18 F	ed 2				Reported:
Plains TX, 79355-0247		Project Manager:	Т	Tom Bynum					2/8/2023 9:09:59AM
		Volatile O	rganics	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 (2305051-BLK1)							Prepared: 02	2/02/23 Aı	nalyzed: 02/03/23
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	8.28		8.00		103	70-130			
LCS (2305051-BS1)							Prepared: 02	2/02/23 A1	nalyzed: 02/03/23
Benzene	5.01	0.0250	5.00		100	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	5.10	0.0250	5.00		102	70-130			
p-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			
Matrix Spike (2305051-MS1)				Source:	E302010-	01	Prepared: 02	2/02/23 A1	nalyzed: 02/03/23
Benzene	4.63	0.0250	5.00	ND	92.6	54-133			
Ethylbenzene	4.71	0.0250	5.00	ND	94.1	61-133			
Toluene	4.80	0.0250	5.00	ND	96.1	61-130			
p-Xylene	4.85	0.0250	5.00	ND	97.1	63-131			
p,m-Xylene	9.54	0.0500	10.0	ND	95.4	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	70-130			
Matrix Spike Dup (2305051-MSD1)				Source:	E302010-	01	Prepared: 02	2/02/23 A1	nalyzed: 02/03/23
Benzene	4.89	0.0250	5.00	ND	97.9	54-133	5.56	20	
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	61-133	5.27	20	
Toluene	5.07	0.0250	5.00	ND	101	61-130	5.39	20	
o-Xylene	5.13	0.0250	5.00	ND	103	63-131	5.48	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	5.42	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	5.44	20	
0	0.55		0.00		107	70 120			



Surrogate: 4-Bromochlorobenzene-PID

8.55

70-130

# **QC Summary Data**

Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:09:59AM

Plains TX, 79355-0247		Project Manager	r: To	m Bynum					2/8/2023 9:09:59AM
	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 (2305051-BLK1)							Prepared: 02	2/02/23 A	nalyzed: 02/03/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			
LCS (2305051-BS2)							Prepared: 02	2/02/23 A	nalyzed: 02/03/23
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.6	70-130			
Matrix Spike (2305051-MS2)				Source:	E302010-	01	Prepared: 02	2/02/23 A	nalyzed: 02/03/23
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			
Matrix Spike Dup (2305051-MSD2)				Source:	E302010-	01	Prepared: 02	2/02/23 A	nalyzed: 02/03/23
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	0.0427	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			



# **QC Summary Data**

Hackberry 18 Fed 2 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX 79355-0247 Tom Bynum

Plains TX, 79355-0247		Project Manager	r: To	m Bynum					2/8/2023 9:09:59AM	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO								Analyst: RAS	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2305040-BLK1)							Prepared: 0	2/01/23 A	nalyzed: 02/01/23	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	55.5		50.0		111	50-200				
LCS (2305040-BS1)							Prepared: 0	2/01/23 A	nalyzed: 02/01/23	
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132				
Surrogate: n-Nonane	52.2		50.0		104	50-200				
LCS Dup (2305040-BSD1)							Prepared: 0	2/01/23 A	nalyzed: 02/01/23	
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132	1.55	20	-	
Surrogate: n-Nonane	51.8		50.0		104	50-200				

# **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		ackberry 18 F 1058-0007	ed 2				Reported:
Plains TX, 79355-0247		Project Manager:		om Bynum					2/8/2023 9:09:59AM
		Anions	by EPA 3	300.0/9056	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2305061-BLK1)							Prepared: 0	02/02/23 A	analyzed: 02/02/23
Chloride	ND	20.0							
LCS (2305061-BS1)							Prepared: 0	2/02/23 A	analyzed: 02/03/23
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2305061-MS1)				Source:	E302010-0	)1	Prepared: 0	2/02/23 A	analyzed: 02/03/23
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2305061-MSD1)				Source:	E302010-0	)1	Prepared: 0	2/02/23 A	analyzed: 02/03/23
Chloride	250	20.0	250	ND	100	80-120	0.0244	20	

#### QC Summary Report Comment:

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



## **Definitions and Notes**

ſ	Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	
١	PO Box 247	Project Number:	01058-0007	Reported:
l	Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/08/23 09:09

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 In	formation
------------	-----------

Chain of Custody

EPA P	ogra	m
CWA	SD	WΑ
	RC	RA
State		_
JT AZ	TX	

Client: F	ima Env	ronmen	tal Servi	ces			- Bill 7	0		T		La	b Us	e On	lv				T	AT		EPA P	rogram
Project:	HACKE	PRRU	1876	2/2		Attent	ion: Devoy	Ener	V	Lab	WO#				Numb	er	1D	2D	3D	Sta	andard	CWA	SDWA
	Vlan ager:					Addre	ss:		77	F3	SOZ	110		010	58-	0007				V	X		
Address:	5614 N.	Lovingt	on Hwy.			City, S	tate, Zip			tre-	-					d Metho	od						RCRA
City, Stat	te, Zip He	bbs, NN	N. 88240	)		Phone	2:																
Phone:	580-748-	1613			1 1	Email				15	15		1					0				State	
Email:	tom@pir	naoil.cor	n			ρ.	D : /	211		y 80	y 80	17	0	0	0.0		NN				NM CO	UT AZ	TX
Report o	lue by:					Pima	Project# /-	34		RO b	RO b	780	826	601(	e 30			×			AL		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				•	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	втех by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDDC				Remarks	i
1:00	1/30/23	5	1	SW-	-1			7	1								X						
1:05	1			Sw.					2								1						
1:10				Sw-					3														
1:15	1	1		SW				T T	4								1						
																						-4	
														iT									
										1													
Addition	nal Instruc	tions:	3,11	10	Don	en	Energy	1.#7	087	G	7.5	G	-					-1	-				
	pler), attest to						to an and a second to the second	tionally mislabell		Manak!			s	Sampl packed	es requir d in ice a	ring thermal at an avg ten	presen	vation n e 0 but	nust be r less than	received n 6 °C on	on ice the day subsequent d	they are sam ays.	pled or received
Relinquish	ed by: (Sign	stores 18	Date Z	-1-23	Time Z:0	OR	eceived by: (Signature	lus	Date 2-1-		IIme	100	`	Rec	eived	on ice:	(	Lab l	Jse O N	nly		24	
	ed by: (Sign	Muse!	Date		Time 1700	R	eceived by: (Signature	- 12 .	Date 2-1-2		Time /	700		T1						4.0	<u>T3</u>	- u	
(/)	ed by: (Sign	1	Date		Time 230	R	perived by (Signature	la ta	2/2/2	73	Time	:15			181	p°c (				4	4,4		
	trix S - Soil S						mus-C		Containe	r Typi								ass, v	- VO	A	W. Mill		-
Note: Sam	ples are disc	arded 30 d	ays after re	sults are rep	orted unless	s other a	arrangements are mad	le. Hazardous	samples will	be re	turne	to cli	ent or	dispo	osed of	at the cli	ient ex	cpense	e. The	erepor	t for the an	alysis of th	e above
							his COC. The liability o																



Printed: 2/2/2023 9:21:37AM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

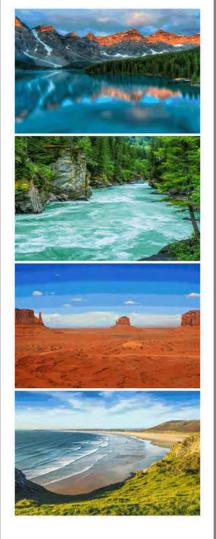
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	02/02/23	08:15		Work Order ID:	E302011
Phone:	(575) 631-6977	Date Logged In:	02/01/23	16:23		Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:		17:00 (4 day TAT)		<i>3</i> 00 <i>3</i>	
1. Does th 2. Does th 3. Were sa	Custody (COC)  The sample ID match the COC?  The number of samples per sampling site location matches amples dropped off by client or carrier?		Yes Yes Yes	Carrier: <u>C</u>	<u>'ourier</u>		
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
<ul> <li>5. Were all samples received within holding time?         Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.     </li> <li>Sample Turn Around Time (TAT)</li> <li>6. Did the COC indicate standard TAT, or Expedited TAT?</li> </ul>			Yes	[		Comments	s/Resolution
	•		Yes				
7. Was a s	cooler cample cooler received?		Yes				
8. If yes,	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				
	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
		temperature. 4 t	<u>c</u>				
Sample C			3.T				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Sa D	field sample labels filled out with the minimum information information information in the minimum in the mi	rmation:	Yes Yes				
C	ollectors name?		No				
21. Does	reservation the COC or field labels indicate the samples were promple(s) correctly preserved?	eserved?	No NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	imples required to get sent to a subcontract laborator	v?	No				
	subcontract laboratory specified by the client and if	~	NA	Subcontract Lab	: NA		
	struction			Successiva ev Euro			

Date

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

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

## Pima Environmental Services-Carlsbad

Project Name: Snapping 2 State 4H

Work Order: E304205

Job Number: 01058-0007

Received: 4/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/1/23

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

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

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

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

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

Date Reported: 5/1/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Snapping 2 State 4H

Workorder: E304205

Date Received: 4/28/2023 7:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/28/2023 7:00:00AM, under the Project Name: Snapping 2 State 4H.

The analytical test results summarized in this report with the Project Name: Snapping 2 State 4H 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

West Texas Midland/Odessa Area Rayny Hagan

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

Envirotech Web Address: www.envirotech-inc.com



## **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
CS1	5
CSW1	6
CSW2	7
CSW3	8
CSW4	9
QC Summary Data	10
QC - Volatile Organics by EPA 8021B	10
QC - Nonhalogenated Organics by EPA 8015D - GRO	11
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	12
QC - Anions by EPA 300.0/9056A	13
Definitions and Notes	14
Chain of Custody etc.	15

# Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	Reported:
PO Box 247	Project Number:	01058-0007	Keporteu.
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/01/23 14:25

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
CS1	E304205-01A Soil	04/27/23	04/28/23	Glass Jar, 2 oz.
CSW1	E304205-02A Soil	04/27/23	04/28/23	Glass Jar, 2 oz.
CSW2	E304205-03A Soil	04/27/23	04/28/23	Glass Jar, 2 oz.
CSW3	E304205-04A Soil	04/27/23	04/28/23	Glass Jar, 2 oz.
CSW4	E304205-05A Soil	04/27/23	04/28/23	Glass Jar. 2 oz.



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

## CS1

		E304203-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2317071
Benzene	ND	0.0250	1	04/28/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/28/23	04/28/23	
Toluene	ND	0.0250	1	04/28/23	04/28/23	
o-Xylene	ND	0.0250	1	04/28/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/28/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/28/23	04/28/23	
Surrogate: 4-Bromochlorobenzene-PID		90.7 %	70-130	04/28/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2317071
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	04/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	04/28/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2317048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/23	04/28/23	
Surrogate: n-Nonane		83.0 %	50-200	04/28/23	04/28/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2317075
Chloride	ND	20.0	1	04/28/23	04/28/23	



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

## CSW1

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2317071
Benzene	ND	0.0250	1	04/28/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/28/23	04/28/23	
Toluene	ND	0.0250	1	04/28/23	04/28/23	
o-Xylene	ND	0.0250	1	04/28/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/28/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/28/23	04/28/23	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	04/28/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2317071
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	04/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	04/28/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2317048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/23	04/28/23	_
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/23	04/28/23	
Surrogate: n-Nonane		82.9 %	50-200	04/28/23	04/28/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	.nalyst: BA		Batch: 2317075
Chloride	ND	20.0	1	04/28/23	04/28/23	



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

### CSW2

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	analyst: RKS		Batch: 2317071
Benzene	ND	0.0250	1	04/28/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/28/23	04/28/23	
Toluene	ND	0.0250	1	04/28/23	04/28/23	
o-Xylene	ND	0.0250	1	04/28/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/28/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/28/23	04/28/23	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	04/28/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2317071
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	04/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	04/28/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: KM		Batch: 2317048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/23	04/28/23	
Surrogate: n-Nonane		83.2 %	50-200	04/28/23	04/28/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2317075
Chloride	ND	20.0	1	04/28/23	04/28/23	



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

### CSW3

	ъ.				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2317071
ND	0.0250	1	04/28/23	04/28/23	
ND	0.0250	1	04/28/23	04/28/23	
ND	0.0250	1	04/28/23	04/28/23	
ND	0.0250	1	04/28/23	04/28/23	
ND	0.0500	1	04/28/23	04/28/23	
ND	0.0250	1	04/28/23	04/28/23	
	92.7 %	70-130	04/28/23	04/28/23	
mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2317071
ND	20.0	1	04/28/23	04/28/23	
	91.9 %	70-130	04/28/23	04/28/23	
mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2317048
ND	25.0	1	04/28/23	04/28/23	
ND	50.0	1	04/28/23	04/28/23	
	86.7 %	50-200	04/28/23	04/28/23	
mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2317075
mg/kg	mg ng		,		
	ND Mg/kg ND	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           MD         20.0250           MB/kg         mg/kg           MD         20.0           91.9 %         mg/kg           ND         25.0           ND         50.0           86.7 %	Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           86.7 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         04/28/23           ND         0.0250         1         04/28/23           ND         0.0250         1         04/28/23           ND         0.0500         1         04/28/23           ND         0.0250         1         04/28/23           ND         0.0250         1         04/28/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         04/28/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         04/28/23           ND         25.0         1         04/28/23           ND         50.0         1         04/28/23	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         04/28/23         04/28/23           ND         0.0250         1         04/28/23         04/28/23           ND         0.0250         1         04/28/23         04/28/23           ND         0.0500         1         04/28/23         04/28/23           ND         0.0250         1         04/28/23         04/28/23           ND         0.0250         1         04/28/23         04/28/23           MD         0.0250         1         04/28/23         04/28/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         04/28/23         04/28/23           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         04/28/23         04/28/23           ND         25.0         1         04/28/23         04/28/23           ND         50.0         1         04/28/23         04/28/23           86.7 %         50-200         04/28/23         04/28/23



Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

### CSW4

		D				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2317071
Benzene	ND	0.0250	1	04/28/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/28/23	04/28/23	
Toluene	ND	0.0250	1	04/28/23	04/28/23	
o-Xylene	ND	0.0250	1	04/28/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/28/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/28/23	04/28/23	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	04/28/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2317071
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	04/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	04/28/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2317048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/23	04/28/23	
Surrogate: n-Nonane		87.4 %	50-200	04/28/23	04/28/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	nlyst: BA		Batch: 2317075
Chloride	ND	20.0	1	04/28/23	04/28/23	



Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

Plains TX, 79355-0247		Project Number		m Bynum					5/1/2023 2:25:58PM
		Volatile (	latile Organics by EPA 8021B					Analyst: RKS	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2317071-BLK1)						]	Prepared: 0	4/28/23 Ar	alyzed: 04/28/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.8	70-130			
LCS (2317071-BS1)							Prepared: 0	4/28/23 Ar	alyzed: 04/28/23
Benzene	4.01	0.0250	5.00		80.2	70-130			
Ethylbenzene	4.35	0.0250	5.00		86.9	70-130			
Foluene	4.36	0.0250	5.00		87.2	70-130			
o-Xylene	4.50	0.0250	5.00		90.0	70-130			
o,m-Xylene	8.87	0.0500	10.0		88.7	70-130			
Total Xylenes	13.4	0.0250	15.0		89.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			
LCS Dup (2317071-BSD1)							Prepared: 0	4/28/23 Ar	alyzed: 04/28/23
Benzene	4.25	0.0250	5.00		85.0	70-130	5.76	20	
Ethylbenzene	4.65	0.0250	5.00		93.0	70-130	6.72	20	
Toluene	4.65	0.0250	5.00		92.9	70-130	6.31	20	
o-Xylene	4.79	0.0250	5.00		95.9	70-130	6.38	20	
p,m-Xylene	9.47	0.0500	10.0		94.7	70-130	6.59	20	
Total Xylenes	14.3	0.0250	15.0		95.1	70-130	6.52	20	



# **QC Summary Data**

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					5/1/2023 2:25:58PM
	Non	halogenated	Organics	by EPA 80	15D - G	RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	
Blank (2317071-BLK1)							Prepared: 0	4/28/23	Analyzed: 04/28/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			
LCS (2317071-BS2)							Prepared: 0	4/28/23	Analyzed: 04/28/23
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			
LCS Dup (2317071-BSD2)							Prepared: 0	4/28/23	Analyzed: 04/28/23
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.4	70-130	8.56	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			



# **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Snapping 2 State 4HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum5/1/2023 2:25:58PM

Plains TX, 79355-0247		Project Manager	r: 10	m Bynum					5/1/2023 2:25:58PM
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2317048-BLK1)							Prepared: 0	4/27/23 A	nalyzed: 04/27/23
riesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	41.1		50.0		82.1	50-200			
.CS (2317048-BS1)							Prepared: 0	4/27/23 A	nalyzed: 04/27/23
riesel Range Organics (C10-C28)	229	25.0	250		91.5	38-132			
urrogate: n-Nonane	39.6		50.0		79.1	50-200			
Matrix Spike (2317048-MS1)				Source:	E304190-	01	Prepared: 0	4/27/23 A	nalyzed: 04/27/23
riesel Range Organics (C10-C28)	231	25.0	250	ND	92.4	38-132			
urrogate: n-Nonane	37.9		50.0		75.8	50-200			
Matrix Spike Dup (2317048-MSD1)				Source:	E304190-	01	Prepared: 0	4/27/23 A	nalyzed: 04/27/23
tiesel Range Organics (C10-C28)	244	25.0	250	ND	97.4	38-132	5.33	20	
urrogate: n-Nonane	39.8		50.0		79.5	50-200			

Matrix Spike (2317075-MS1)

Matrix Spike Dup (2317075-MSD1)

Chloride

Chloride

246

244

Prepared: 04/28/23 Analyzed: 04/28/23

Prepared: 04/28/23 Analyzed: 04/28/23

20

## **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		Snapping 2 Stat 01058-0007	e 4H				Reported:
Plains TX, 79355-0247		Project Manager:		Tom Bynum					5/1/2023 2:25:58PM
		Anions l	by EPA	300.0/9056	<b>\</b>				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2317075-BLK1)							Prepared: 0	4/28/23 A	nalyzed: 04/28/23
Chloride	ND	20.0							
LCS (2317075-BS1)							Prepared: 0	4/28/23 A	nalyzed: 04/28/23
Chloride	247	20.0	250		98.9	90-110			

250

250

20.0

20.0

Source: E304205-01

Source: E304205-01

98.3

97.6

80-120

80-120

0.717

ND

ND

#### 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:	Snapping 2 State 4H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/01/23 14:25

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.



Released to I	Project In	formation
maging: 6/23/2023 1	Project: Project N Address: City, Stat Phone: Email:	ima Envir Snap Janaget: 7 5614 N. e, Zip Ho 580-748-1 tom@pim
1:2	Report d	Date

Chain of Custody

	1 1
Page _	of /

Cli			al Cand	200	- 1	and the same of th	Bill To	_			Lal	b Us	e Onl	v				TA	AT		EPA P	ogram
Client: Pima Environmental Services Project: Snapping 2 State 4H Project Manager: Tom Bynum			Atten	Attention: Devon Address: City, State, Zip Phone: Email:										1D	2D		Standard	rd	CWA	SDWA		
							Lab WO# F 304205			X												
Address: 5614 N. Lovington Hwy.  City, State, Zip Hobbs, NM. 88240  Phone: 580-748-1613								- lea				Analysis and Method			i						RCRA	
							0.000															
							Emai	y 8015	y 8015						5	1				State		
Email: tom@pimaoil.com							н					0.0				NM		CO	UT AZ	TX		
Report d		10011.001			Pim	a Project #	1-235		30 b	30 b	802	826	9010	e 30		N	¥		X			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	верос				Remarks	
8:45	4/27/2	S	1	CSI												X						
8:50		1	1	CSWI				2								1						
8:55				CSW2	,			3								1						
9:00				CSW3 CSW4			and construction of the state o	4								$\parallel$						
9:05	上	1		CSWY			A SALE MANUAL TO TAKE	5		_						1		-				
	W T				-					-						-	-	+				
							1			T												
														21								
100000	nal Instru						Billing	#:	2	11:	30	3	3	7								
				nticity of this sample I may be grounds for	legal action.	Sam	n or intentionally mislabel	ling the samp	le locat	tion,			Sampi	es requ		np abov	e 0 but	less that	n 6 °C on subse			oled or received
-	ned by: (Sign		Dat	27-23 Tim	:00	Received by: (S	e curs	Date 427	(دا	_	40	٥	Rec	eive	d on ice:		Y)/	Use O N	only			
	ned by: (Sig	tu d	Da	te 1:27-27 1	745	Received by: (S	Musso	Date U-2			00		T1			<u>T2</u>		770KE = -	<u>T3</u>			
Relinquis	hed by: (Sig	nature) WSo	Da	te I im	2330	Received by: (S		Date 4/28			1:00				np °C_							
	-	C. C. U. J. C.	Cludes A	Aguagus O Othor			0 00	Contain	Container Type: <b>g</b> - glass, <b>p</b> - poly/plastic, <b>ag</b> - amber glass, v - VOA samples will be returned to client or disposed of at the client expense. The report for the analysis of the above													
Noto: Sa	nnlas ara di	scarded 30	days after	results are reporte	ed unless oth	er arrangements	s are made. Hazardou	s samples w	ill be r	eturne	ed to cl	lient (	or disp	osed	of at the cl	ient e	xpens	e. The	e report for	the an	alysis of th	e above
samples	s applicable	only to the	se sample	s received by the I	aboratory wit	h this COC. The	liability of the laborato	ry is limited	to the	amou	ınt pai	d for	on the	геро	rt.							



Printed: 4/28/2023 11:37:39AM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	04/28/23 0	7:00		Work Order ID:	E304205
Phone:	(575) 631-6977	Date Logged In:	04/27/23 1			Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	04/28/23	7:00 (0 day TAT)			
Chain o	f Custody (COC)						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location ma	tch the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: C	ourier		
	ne COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes	<u> </u>	- COUNTED		
	all samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted i					C	-/Dl4:
	i.e, 15 minute hold time, are not included in this disucssi	ion.		г		Comment	s/Resolution
	Turn Around Time (TAT)						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
12. Was t	he 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	visible ice, record the temperature.	e temperature: 4°	<u>C</u>				
Sample	<u>Container</u>						
14. Are a	aqueous VOC samples present?		No				
15. Are `	VOC samples collected in VOA Vials?		NA				
16. Is the	e 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 1	non-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field La	<u>bel</u>						
20. Were	field sample labels filled out with the minimum infe	ormation:					
	Sample ID?		Yes				
	Date/Time Collected?		Yes	•			
	Collectors name?		No				
	Preservation the COC or field lebels indicate the semples were re-	magamyad?	NI-				
	the COC or field labels indicate the samples were p	reserved?	No				
	sample(s) correctly preserved?  of filteration required and/or requested for dissolved recommends.	matale?	NA No				
	•	netais:	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes	s, does the COC specify which phase(s) is to be anal	yzed?	NA				
Subcont	ract Laboratory						
28. Are s	samples required to get sent to a subcontract laborate	ory?	No				
29. Was	a subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	: NA		
Client I	nstruction						

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 218304

#### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	218304
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
amaxwe	None	6/23/2023