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

August 9, 2023

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

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

RE: Site Assessment, Liner Inspection and Closure Report
Burton Flat Deep Unit 61H
API No. 30-015-43136
GPS: Latitude 32.5076509 Longitude -104.1585985
UL- L, Section 02, Township 21S, Range 27E,
Eddy County, NM
NMOCD Reference No. NAB1916437520

Devon Energy Production Company (Devon) has contracted Pima Environmental Services, LLC (Pima) to perform a liner inspection, spill assessment, remediation activities, and prepare this closure report for a produced water and condensate release that happened at the Burton Flat Deep Unit 61H (Burton). An initial C-141 was submitted on June 7, 2019, and can be found in Appendix B. This incident was assigned Incident ID NAB1916437520, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Burton is located approximately five (5) miles northeast of Carlsbad, NM. This spill site is in Unit L, Section 02, Township 21S, Range 27E, Latitude 32.5076509 Longitude -104.1585985, Eddy County, NM.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology made up of Eolian deposits (Holocene to middle Pleistocene). The soil in this area is made up of Gypsum land-Reeves complex, 0 to 3 percent slopes, eroded 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 around the Burton (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest ground water in this area is 20 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest ground water is 26 feet BGS. The closest waterway is the Lake Avalon, located approximately 4.65 miles to the west of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	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

NAB1916437520: On June 3, 2019. A produced water tank was struck by lightning causing a fire. The condensate oil tank next to the PW tank, burned down and started leaking causing fluid to be released out of containment onto the pasture. Approximately 113 barrels (bbls) of produced water and 108 bbls of condensate was released from the tank. A vacuum truck was dispatched and recovered all 221 bbls of fluid from the lined SPCC containment ring. Due to the fire fluid was released onto the pad and pasture.

Site Assessment and Soil Results

On March 23, 2023, Pima mobilized personnel to the site to assess the area. We sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A site map can be found in Figure 4.

3-23-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -BURTON FLAT DEEP UNIT #061H								
Sample Date: 3/23/2023				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
S-1	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	32.6
	4'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	168
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	38.4
	4'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	146
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	38.9
	4'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	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
SW 5	6"	ND	ND	ND	ND	ND	0	ND
BG 1	6"	ND	ND	ND	ND	ND	0	ND

ND-Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the soil sample results, the contamination levels are already less than the regulatory limits of the most stringent criteria in Table 1 of NMAC 19.15.29.1.

Site Assessment and Liner Inspection

On March 25, 2023, after sending the 48-hour notification via email, Pima Environmental conducted a liner inspection at this location. We concluded that this liner had been repaired and this containment can maintain its integrity and its able to retain fluids. The liner inspection form and photographic documentation can be found in Appendix C.

Remediation Activities

On July 27, 2023, Devon Construction Department mobilized personnel and equipment to conduct remedial activities. They excavated the area to an average depth of 1' bgs. Pima personnel collected samples to verify all contaminated soil had been removed. The contaminated soil, which was approximately 7 cubic yards, was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On July 29, 2023, after sending a 48-hour notification (Appendix C), Pima collected 5-point composite confirmation samples of the excavated areas. Laboratory results of this sampling event can be found in the following data table. A Confirmation Sample Map can be found in Figure 5.

7-29-23 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -BURTON FLAT DEEP UNIT #061H								
Sample Date: 7/29/2023				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
CS1 Bottoms	1'	ND	ND	ND	ND	ND	0	ND
CS2 Bottoms	1'	ND	ND	ND	ND	ND	0	ND
CSW 1	1'	ND	ND	ND	ND	ND	0	ND
CSW 2	1'	ND	ND	ND	ND	ND	0	ND
CSW 3	1'	ND	ND	ND	ND	ND	0	ND
CSW 4	1'	ND	ND	ND	ND	ND	0	ND
CSW 5	1'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Closure Request

After careful review, Pima requests that this incident, NAB1916437520 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 575-964-7740 or Gio@pimaoil.com.

Respectfully,

Gio Gomez

Gio Gomez
Project Manager
Pima Environmental Services, LLC

Attachments

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

Appendices:
Appendix A- Referenced Water Survey
Appendix B- Soil Survey and Geological Data
Appendix C- C-141 Form & 48 Hour Notification's
Appendix D- Liner Inspection Form & Photographic Documentation
Appendix E- Laboratory Reports

Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map

4-Site Map

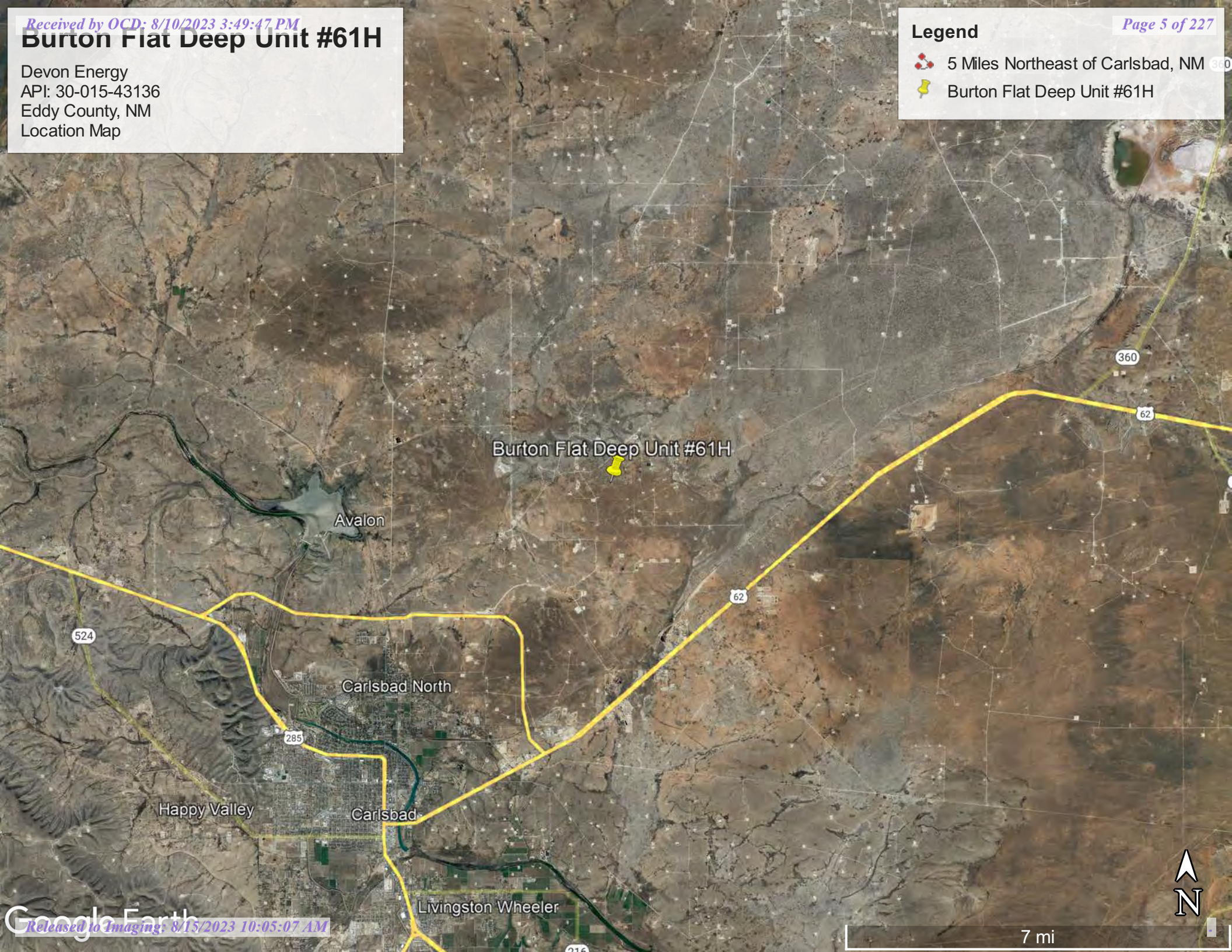
5-Confirmation Sample Map

Burton Flat Deep Unit #61H

Devon Energy
API: 30-015-43136
Eddy County, NM
Location Map

Legend

- 5 Miles Northeast of Carlsbad, NM
- Burton Flat Deep Unit #61H

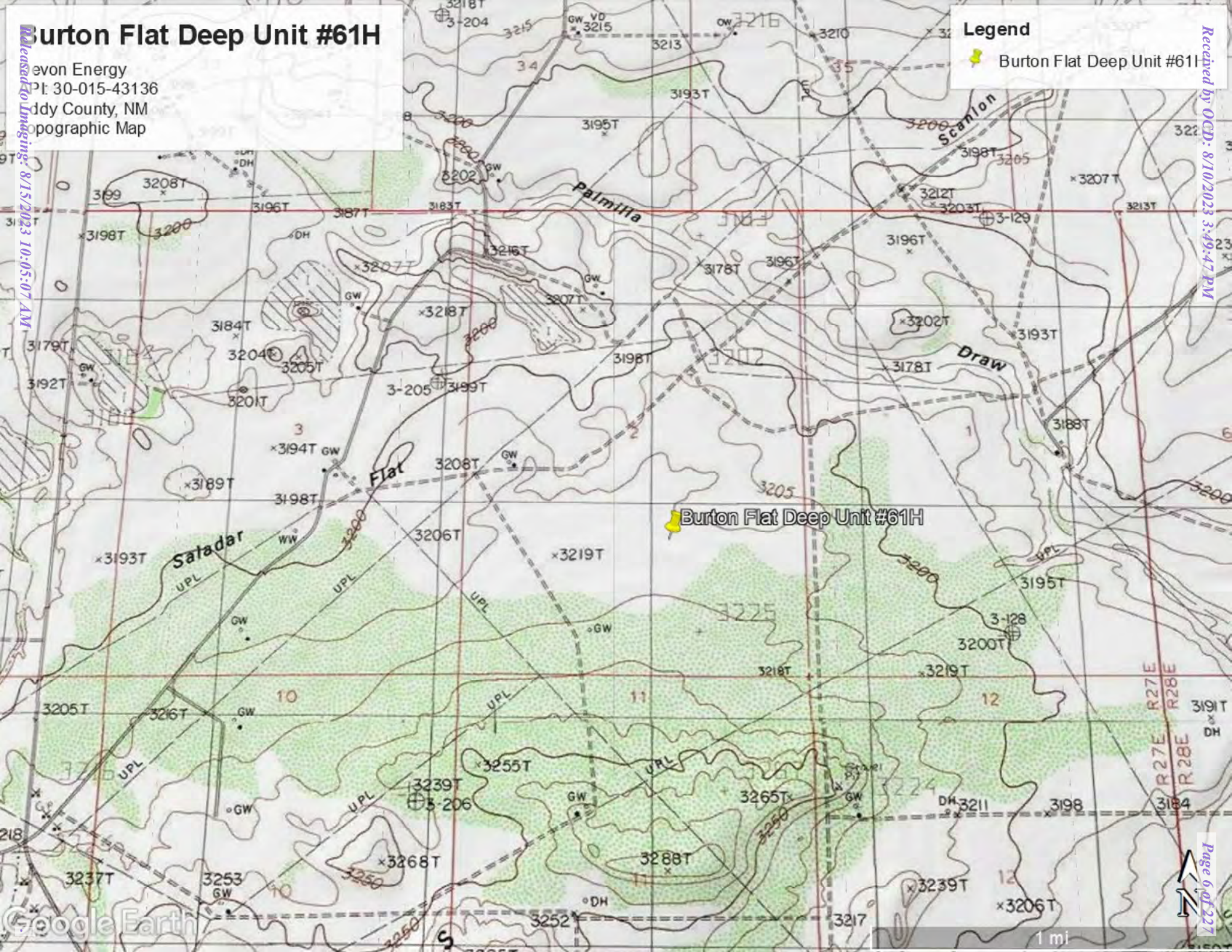


Burton Flat Deep Unit #61H

evon Energy
PI: 30-015-43136
ddy County, NM
pographic Map

Legend

Burton Flat Deep Unit #61H

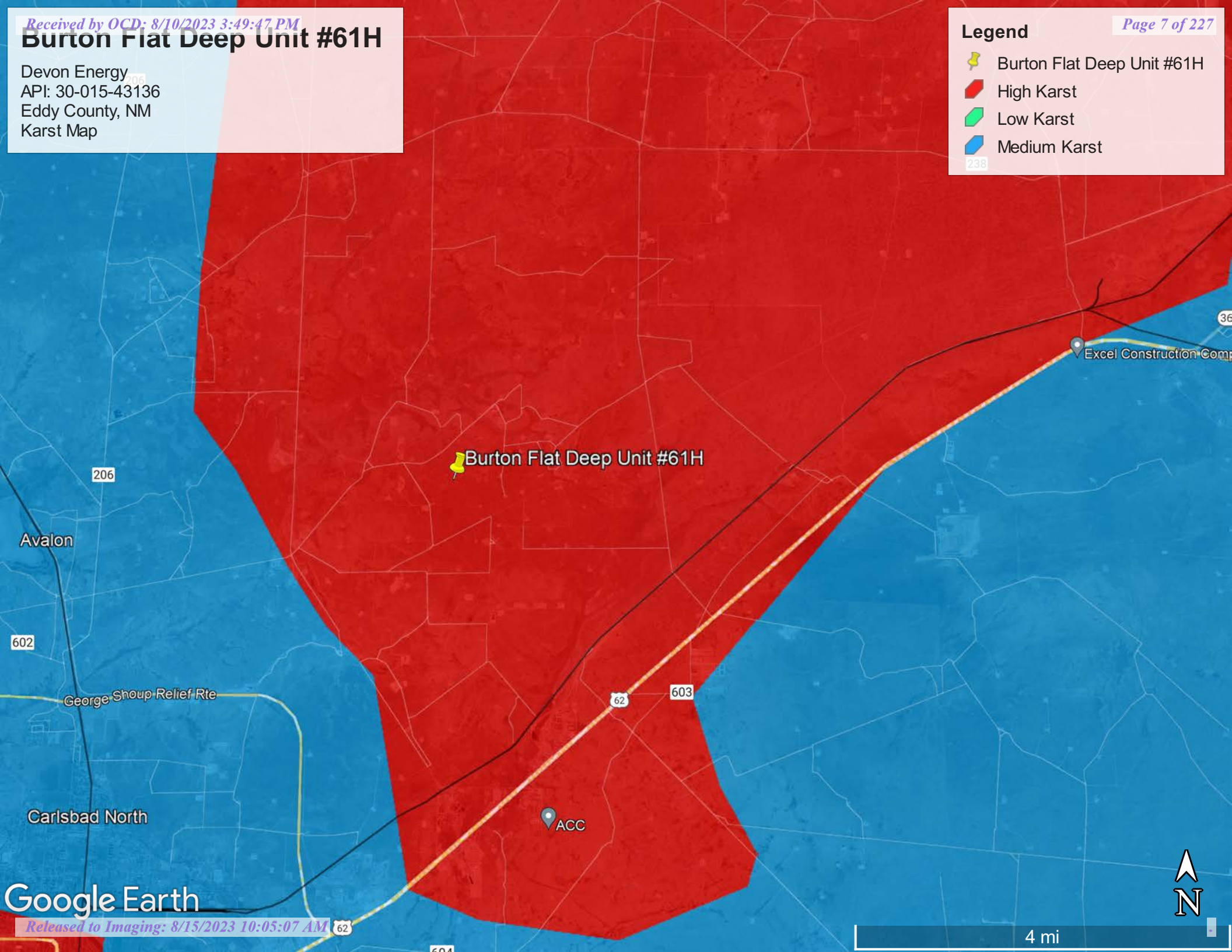


Burton Flat Deep Unit #61H

Devon Energy
API: 30-015-43136
Eddy County, NM
Karst Map

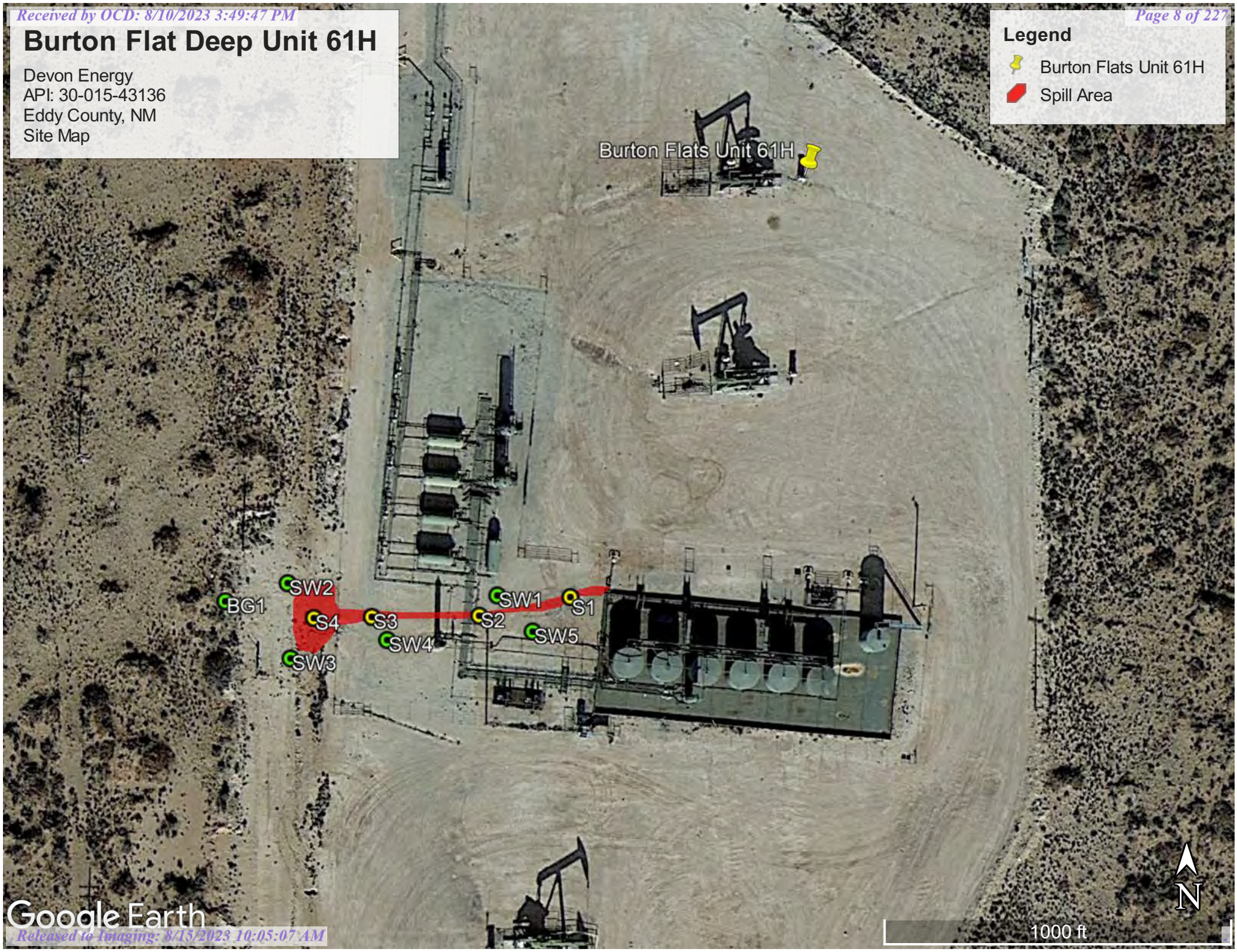
Legend

- Burton Flat Deep Unit #61H
- High Karst
- Low Karst
- Medium Karst



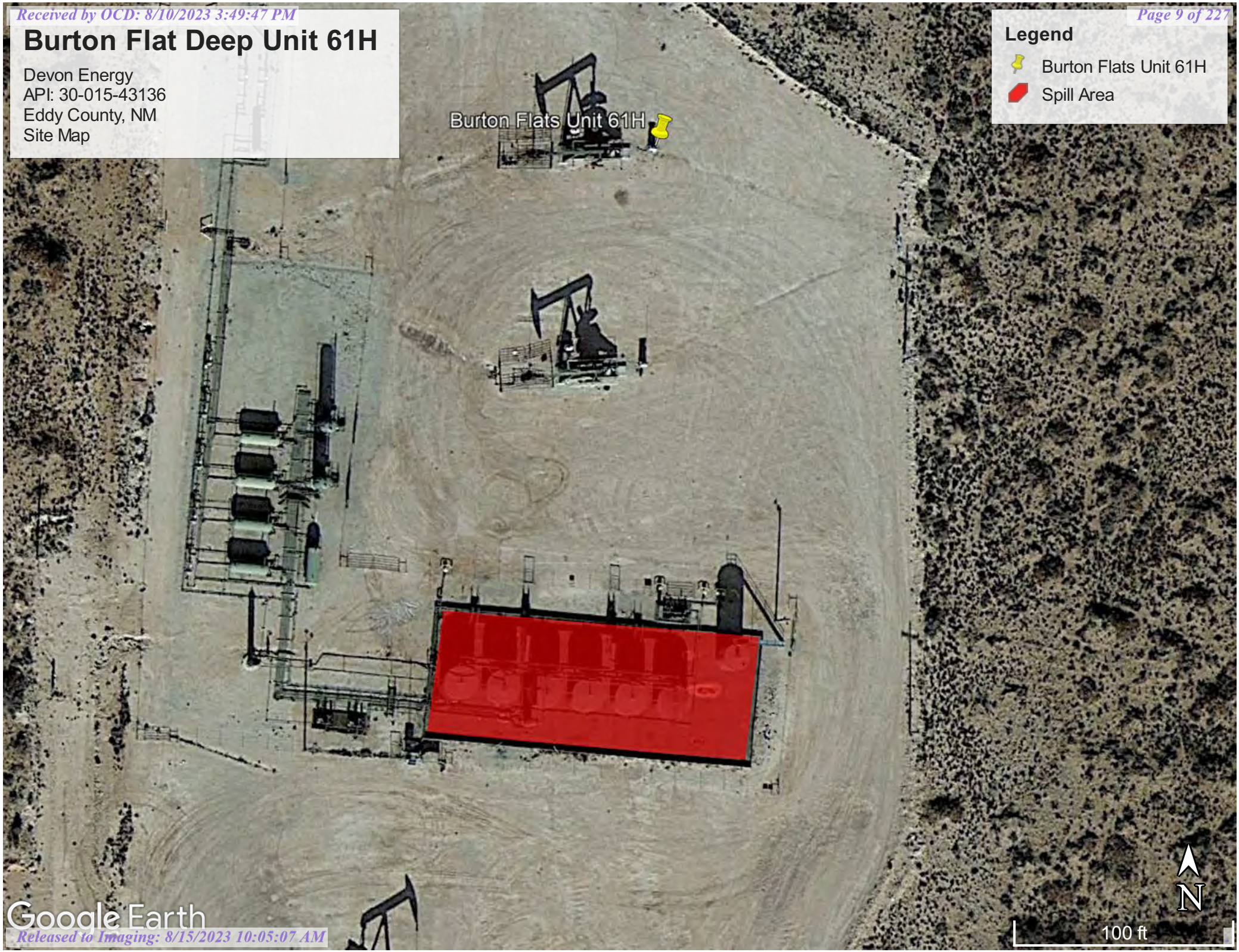
Burton Flat Deep Unit 61H

Devon Energy
API: 30-015-43136
Eddy County, NM
Site Map



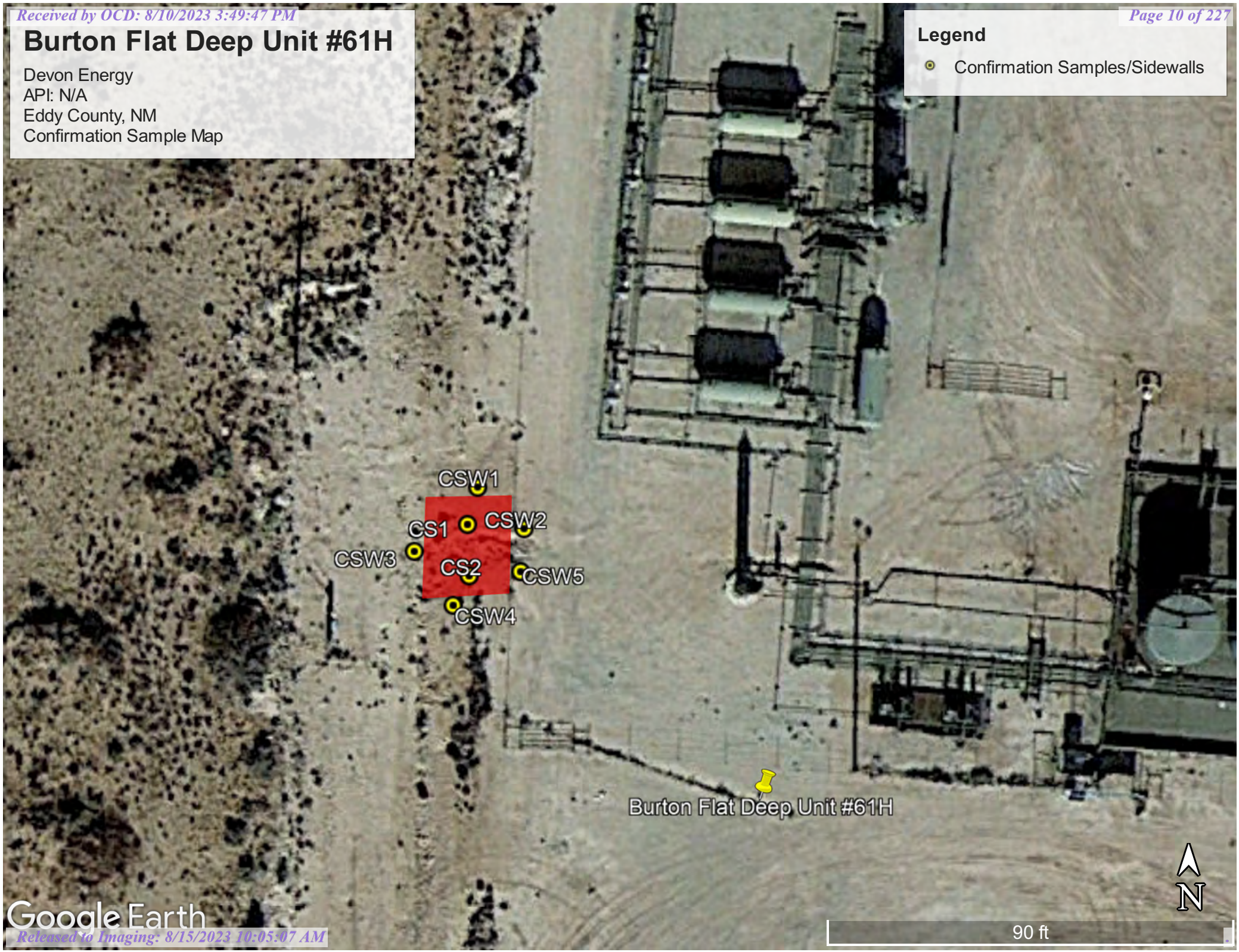
Burton Flat Deep Unit 61H

Devon Energy
API: 30-015-43136
Eddy County, NM
Site Map



Burton Flat Deep Unit #61H

Devon Energy
API: N/A
Eddy County, NM
Confirmation Sample Map



Pima Environmental Services

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 Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 00469	C	CUB	ED		1	4	02	21S	27E	579078	3596994*	48	767		
C 03525 POD3		CUB	ED	1	1	1	01	21S	27E	579728	3598332	1484	30		
C 03525 POD2		CUB	ED	2	2	2	02	21S	27E	579676	3598362	1488	29	20	9
C 03525 POD1		CUB	ED	1	1	1	01	21S	27E	579702	3598362	1500	31	20	11
C 03525 POD4		CUB	ED	1	1	1	01	21S	27E	579728	3598362	1511	29		
C 02992		C	ED	3	3	2	01	21S	27E	580594	3597311*	1585	250	186	64
C 01142		C	ED	3	1	4	03	21S	27E	577358	3596873*	1684	100		
C 03689 POD1		C	ED	1	1	2	01	21S	27E	580490	3598014	1762	95	10	85
C 03350		C	ED	1	4	2	01	21S	27E	580896	3597476	1915	76	8	68
C 03268 POD1		CUB	ED	4	2	4	01	21S	27E	581201	3596915	2167	48	13	35
C 02907		C	ED	3	2	1	03	21S	27E	576959	3597669*	2176	52	14	38
C 03690 POD1		C	ED	4	1	4	10	21S	27E	577482	3595179	2407	200		
C 00465	C	CUB	ED	3	2	1	14	21S	27E	578576	3594475*	2584			
C 00473	C	CUB	ED		3	2	14	21S	27E	579087	3594177*	2841	562		

Average Depth to Water: **38 feet**
Minimum Depth: **8 feet**
Maximum Depth: **186 feet**

Record Count: 14

UTMNAD83 Radius Search (in meters):

Easting (X): 579035.95 **Northing (Y):** 3597018.52 **Radius:** 3000

***UTM location was derived from PLSS - see Help**

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 323029104103901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

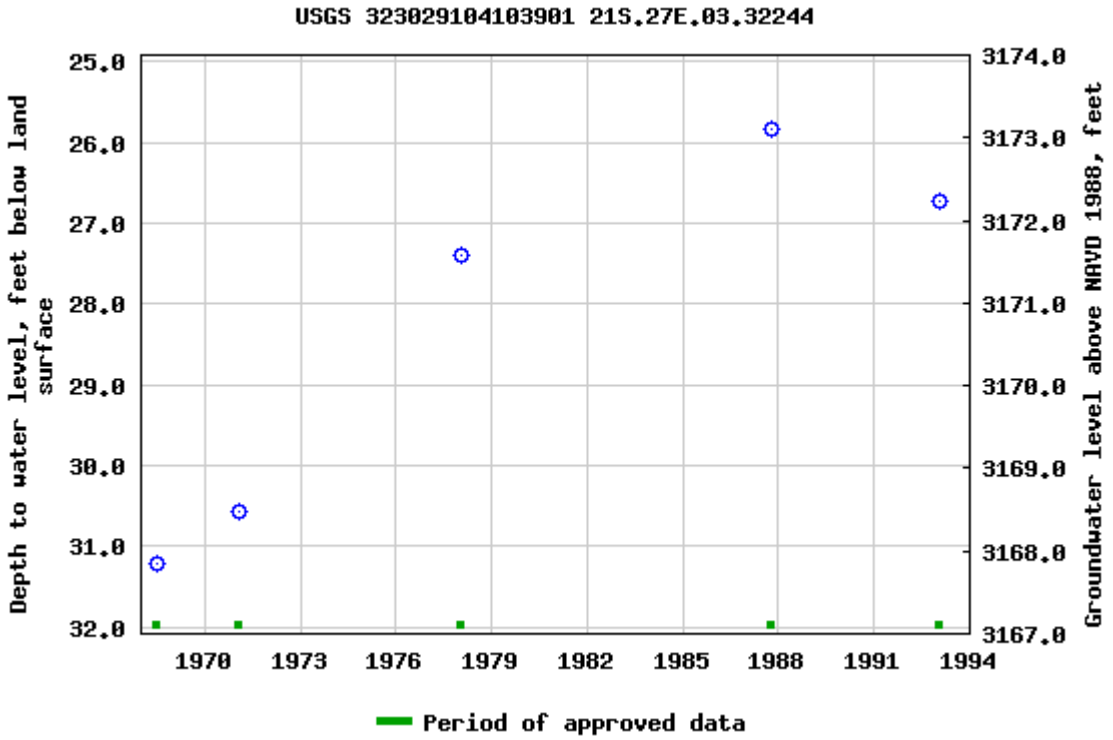
USGS 323029104103901 21S.27E.03.32244

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°30'29", Longitude 104°10'39" NAD27
Land-surface elevation 3,199 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) 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.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms

Subscribe for system changes
News

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2023-01-25 10:47:49 EST
0.62 0.51 nadww02

Burton Flat Deep Unit #61H

Devon Energy
API: 30-015-43136
Eddy County, NM
Surface Water Map

Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Eddy Area, New Mexico

GR—Gypsum land-Reeves complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w4h
Elevation: 3,000 to 5,000 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Gypsum land: 55 percent
Reeves and similar soils: 35 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s
Hydric soil rating: No

Description of Reeves

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: sandy loam
H2 - 8 to 32 inches: clay loam

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: 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: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Unnamed soils

Percent of map unit: 10 percent
Hydric soil rating: No

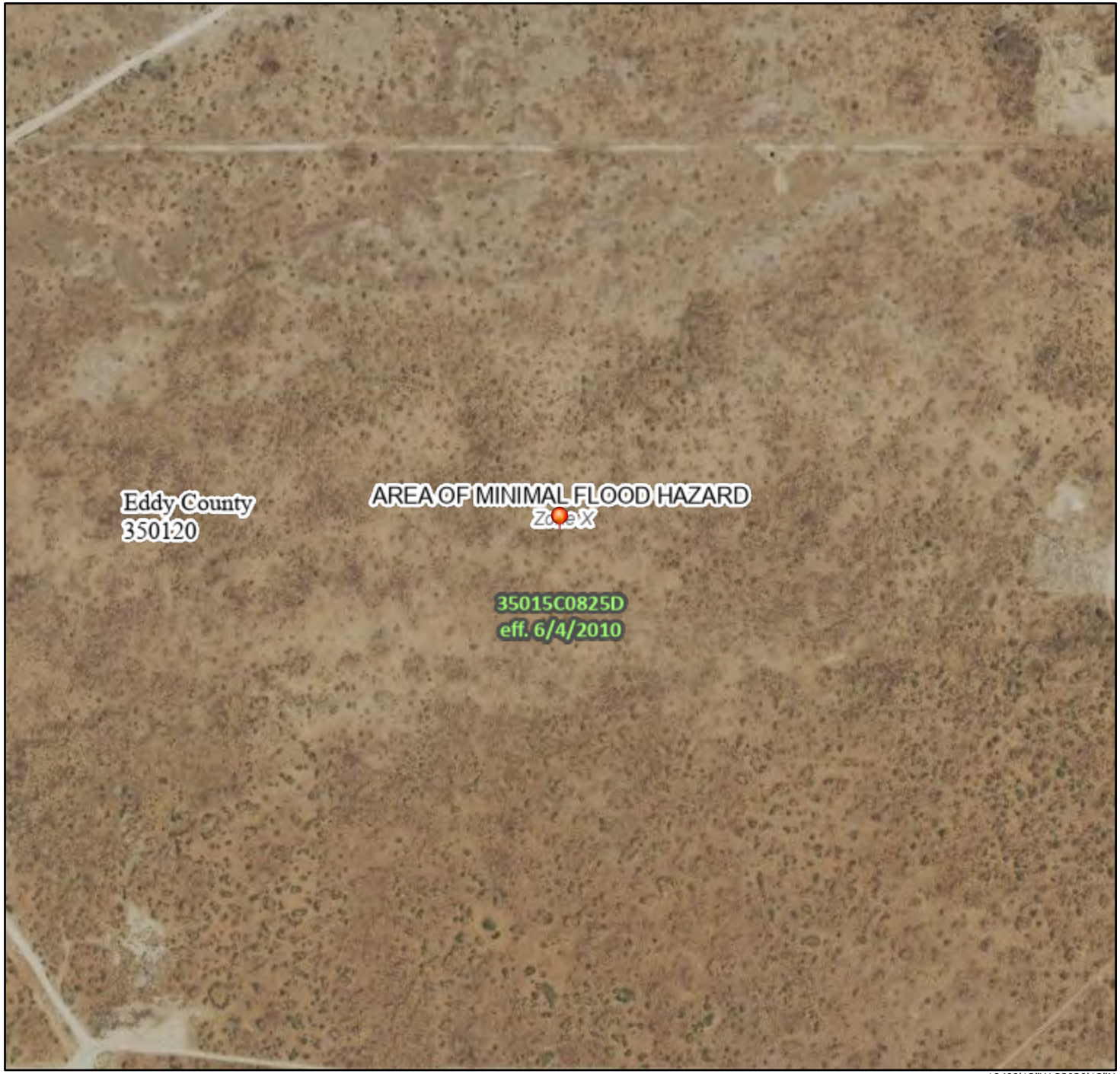
Data Source Information

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

National Flood Hazard Layer FIRMette

FEMA

104°9'50"W 32°30'43"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°9'13"W 32°30'12"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 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*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 8/4/2023 at 11:41 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map

March 8, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Pima Environmental Services

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	NAB1916437520
District RP	2RP-5483
Facility ID	
Application ID	pAB1916437273

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Amanda T. Davis	Contact Telephone 575-748-0176
Contact email amanda.davis@dvn.com	Incident # *(assigned by OCD)* NAB1916437520
Contact mailing address 6488 Seven Rivers HWY	

Location of Release Source

Latitude 32.5076509 Longitude -104.1585985
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Burton Flat Deep Unit #061H	Site Type Oil
Date Release Discovered 6/3/2019	API# *(if applicable)* 30-015-43136

Unit Letter	Section	Township	Range	County
L	02	21S	27E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 113	Volume Recovered (bbls) 113
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) 108	Volume Recovered (bbls) 108
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: A produced water tank was struck by lightning causing a fire. The condensate oil tank next to the PW tank, burned down started leaking. Fluid leaked out of containment into the pasture. Spill area in pasture approximately 25'x31'x1/2".

Incident ID	NAB1916437520
District RP	2RP-5483
Facility ID	
Application ID	pAB1916437273

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? This is considered a major release because it is over 25 BBLS.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Email notification sent to Robert Hamlet, Victoria Venegas, Mike Bratcher and Jim Griswold from Brett Fulks on 6/4/19.

Initial Response

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

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

The fire damaged the containment. An estimated 1.16 bbls leaked from the damage containment.

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kendra DeHoyos Title: EHS Associate

Signature: Kendra DeHoyos Date: 6/7/2019

email: kendra.dehoyos@dvn.com Telephone: 575-748-3371

OCD Only

Received by: Amalia Bustamante Date: 6/13/2019

State of New Mexico
Oil Conservation Division

Incident ID	NAB1916437520
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 ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☒ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAB1916437520
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: 8/10/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAB1916437520
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 District office must be notified 2 days prior to final sampling)

[x] Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 8/10/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Michael Buchanan Date: 08/15/2023

Printed Name: Mike Buchanan Title: Environmental Specialist

Gmail

Gio PimaOil <gio@pimaoil.com>

Burton Flat Deep Unit 61H - Liner Inspection

1 message

Gio PimaOil <gio@pimaoil.com> Wed, Mar 22, 2023 at 1:03 PM
To: ocdonline@state.nm.us, Tom Pima Oil <tom@pimaoil.com>

Good Afternoon,

Pima Environmental would like to notify you that we will be conducting a liner Inspection at the Burton Flat Deep Unit 61H for incident NAB1916437520 *. Pima personnel are scheduled to be on site for this Inspection event at approximately 7:00 a.m. On Saturday, March 25, 2023. If you have any questions or concerns, please let me know. Thank you*

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

Gmail

Gio PimaOil <gio@pimaoil.com>

Burton Flat Deep Unit 61H Sampling Confirmation Samples

1 message

Gio PimaOil <gio@pimaoil.com> Wed, Jul 26, 2023 at 10:32 AM
To: ocdonline@state.nm.us, Tom Pima Oil <tom@pimaoil.com>

Good Morning,
Pima Environmental would like to notify you that we will begin collecting confirmation samples at the Burton Flat Deep Unit 61H for incident NAB1916437520. Pima personnel are scheduled to be on site for this sampling event at approximately 7:00 am. on Saturday, July 29, 2023. If you have any questions or concerns, please let me know. Thank you

--

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

Pima Environmental Services

Appendix D

Photographic Documentation

LIner Inspection Form

SITE PHOTOGRAPHS
DEVON ENERGY
BURTON FLAT DEEP UNIT #061H

Liner Inspection


32.50696216N 104.16833693W
Burton Flat deep unit 61H-62H CTB
Liner inspection
Devon


32.507108N 104.16827637W
Burton Flat deep unit 61H-62H CTB
Liner inspection
Devon


32.50709786N 104.16853129W
Burton Flat deep unit 61H-62H CTB
Liner inspection
Devon

Site Assessment

Excavation


+32.507026,-104.169211
Eddy County
Devon
Burton Flat Deep Unit 61H
Excavation


+32.507026,-104.169211
Eddy County
Devon
Burton Flat Deep Unit 61H
Excavation


+32.507026,-104.1692 In
Eddy County
Devon
Burton Flat Deep Unit 61H
Excavation


+32.507083,-104.169301
Eddy County
Devon
Burton Flat Deep Unit 61H
Excavation


+32.507119,-104.169198
Eddy County
Devon
Burton Flat Deep Unit 61H
Excavation

Post Excavation

Pima Environmental Services, LLC

Liner Inspection Form

Company Name: Devon Energy

Site: Burton Flat Deep Unit 61H

Lat/Long: 32.30098, -103.6807

NMOCD Incident ID & Incident Date: NAB1916437520 & 6/3/2019

2-Day Notification Sent: via Email by Gio Gomez 6/22/2023

Inspection Date: 3/25/2023

Liner Type: Earthen w/liner | Earthen no liner | Polystar | Steel w/poly liner | Steel w/spray epoxy | No Liner

Other: _____

Visualization	Yes	No	Comments
Is there a tear in the liner?		X	
Are there holes in the liner?		X	
Is the liner retaining any fluids?		X	
Does the liner have integrity to contain a leak?	X		

Comments: _____

Inspector Name: Dominick Gonzales Inspector Signature: Dominick Gonzales

Pima Environmental Services

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:	Burton Flat Deep 61
Work Order:	E303099
Job Number:	01058-0007
Received:	3/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/31/23

Date Reported: 3/31/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Burton Flat Deep 61
Workorder: E303099
Date Received: 3/25/2023 8:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2023 8:00:00AM, under the Project Name: Burton Flat Deep 61.

The analytical test results summarized in this report with the Project Name: Burton Flat Deep 61 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 5

Sample Data 6

S1-1’ 6

S1-2’ 7

S1-3’ 8

S1-4’ 9

S2-1’ 10

S2-2’ 11

S2-3’ 12

S2-4’ 13

S3-1’ 14

S3-2’ 15

S3-3’ 16

S3-4’ 17

S4-1’ 18

S4-2’ 19

S4-3’ 20

S4-4’ 21

SW1 22

SW2 23

SW3 24

SW4 25

Table of Contents (continued)

BG1 26

SW5 27

QC Summary Data 28

QC - Volatile Organic Compounds by EPA 8260B 28

QC - Nonhalogenated Organics by EPA 8015D - GRO 30

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 32

QC - Anions by EPA 300.0/9056A 34

Definitions and Notes 36

Chain of Custody etc. 37

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/31/23 11:10

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-1'	E303099-01A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S1-2'	E303099-02A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S1-3'	E303099-03A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S1-4'	E303099-04A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S2-1'	E303099-05A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S2-2'	E303099-06A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S2-3'	E303099-07A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S2-4'	E303099-08A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S3-1'	E303099-09A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S3-2'	E303099-10A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S3-3'	E303099-11A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S3-4'	E303099-12A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S4-1'	E303099-13A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S4-2'	E303099-14A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S4-3'	E303099-15A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S4-4'	E303099-16A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
SW1	E303099-17A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
SW2	E303099-18A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
SW3	E303099-19A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
SW4	E303099-20A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
BG1	E303099-21A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
SW5	E303099-22A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S1-1'

E303099-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S1-2'

E303099-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S1-3'

E303099-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	**32.6**	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S1-4'

E303099-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S2-1'

E303099-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	**168**	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S2-2'

E303099-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/31/23	
Surrogate: n-Nonane		*107 %*	*50-200*	*03/27/23*	*03/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S2-3'

E303099-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	**38.4**	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S2-4'

E303099-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*109 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S3-1'

E303099-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	**146**	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S3-2'

E303099-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*109 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S3-3'

E303099-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	**38.9**	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S3-4'

E303099-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S4-1'

E303099-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/27/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/27/23	
Toluene	ND	0.0250	1	03/27/23	03/27/23	
o-Xylene	ND	0.0250	1	03/27/23	03/27/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/27/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/27/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/27/23*	*03/27/23*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*03/27/23*	*03/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/27/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/27/23*	*03/27/23*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*03/27/23*	*03/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S4-2'

E303099-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S4-3'

E303099-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S4-4'

E303099-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*106 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

SW1

E303099-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*107 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/29/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

SW2

E303099-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/29/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

SW3

E303099-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/29/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

SW4

E303099-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*111 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/29/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

BG1

E303099-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2313011
Benzene	ND	0.0250	1	03/27/23	03/29/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/29/23	
Toluene	ND	0.0250	1	03/27/23	03/29/23	
o-Xylene	ND	0.0250	1	03/27/23	03/29/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/29/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/29/23	
Surrogate: Bromofluorobenzene		*87.1 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.6 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*03/27/23*	*03/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2313011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/29/23	
Surrogate: Bromofluorobenzene		*87.1 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.6 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*03/27/23*	*03/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2313009
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/28/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/27/23*	*03/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313026
Chloride	ND	20.0	1	03/28/23	03/29/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

SW5

E303099-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2313011
Benzene	ND	0.0250	1	03/27/23	03/29/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/29/23	
Toluene	ND	0.0250	1	03/27/23	03/29/23	
o-Xylene	ND	0.0250	1	03/27/23	03/29/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/29/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/29/23	
Surrogate: Bromofluorobenzene		*87.5 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: 1,2-Dichloroethane-d4		*90.8 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2313011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/29/23	
Surrogate: Bromofluorobenzene		*87.5 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: 1,2-Dichloroethane-d4		*90.8 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2313009
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/28/23	
Surrogate: n-Nonane		*100 %*	*50-200*	*03/27/23*	*03/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313026
Chloride	ND	20.0	1	03/28/23	03/29/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313010-BLK1)									Prepared: 03/27/23 Analyzed: 03/27/23
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: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.499*		*0.500*		*99.7*	*70-130*			
LCS (2313010-BS1)									Prepared: 03/27/23 Analyzed: 03/27/23
Benzene	2.38	0.0250	2.50		95.2	70-130			
Ethylbenzene	2.33	0.0250	2.50		93.1	70-130			
Toluene	2.32	0.0250	2.50		92.7	70-130			
o-Xylene	2.43	0.0250	2.50		97.1	70-130			
p,m-Xylene	4.75	0.0500	5.00		95.0	70-130			
Total Xylenes	7.18	0.0250	7.50		95.7	70-130			
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.504*		*0.500*		*101*	*70-130*			
Matrix Spike (2313010-MS1)				**Source: E303099-13**					Prepared: 03/27/23 Analyzed: 03/27/23
Benzene	2.31	0.0250	2.50	ND	92.4	48-131			
Ethylbenzene	2.22	0.0250	2.50	ND	88.9	45-135			
Toluene	2.25	0.0250	2.50	ND	90.2	48-130			
o-Xylene	2.34	0.0250	2.50	ND	93.6	43-135			
p,m-Xylene	4.56	0.0500	5.00	ND	91.1	43-135			
Total Xylenes	6.90	0.0250	7.50	ND	91.9	43-135			
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2313010-MSD1)				**Source: E303099-13**					Prepared: 03/27/23 Analyzed: 03/28/23
Benzene	2.36	0.0250	2.50	ND	94.3	48-131	2.10	23	
Ethylbenzene	2.32	0.0250	2.50	ND	92.6	45-135	4.12	27	
Toluene	2.30	0.0250	2.50	ND	91.9	48-130	1.91	24	
o-Xylene	2.46	0.0250	2.50	ND	98.4	43-135	4.96	27	
p,m-Xylene	4.84	0.0500	5.00	ND	96.8	43-135	6.03	27	
Total Xylenes	7.30	0.0250	7.50	ND	97.3	43-135	5.66	27	
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.510*		*0.500*		*102*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313011-BLK1)									Prepared: 03/27/23 Analyzed: 03/29/23
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: Bromofluorobenzene	*0.450*		*0.500*		*90.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
LCS (2313011-BS1)									Prepared: 03/27/23 Analyzed: 03/29/23
Benzene	2.59	0.0250	2.50		104	70-130			
Ethylbenzene	2.54	0.0250	2.50		102	70-130			
Toluene	2.61	0.0250	2.50		104	70-130			
o-Xylene	2.71	0.0250	2.50		108	70-130			
p,m-Xylene	5.17	0.0500	5.00		103	70-130			
Total Xylenes	7.87	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	*0.479*		*0.500*		*95.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
Matrix Spike (2313011-MS1)				**Source: E303100-06**					Prepared: 03/27/23 Analyzed: 03/29/23
Benzene	2.48	0.0250	2.50	ND	99.3	48-131			
Ethylbenzene	2.45	0.0250	2.50	ND	98.0	45-135			
Toluene	2.52	0.0250	2.50	ND	101	48-130			
o-Xylene	2.62	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.03	0.0500	5.00	ND	101	43-135			
Total Xylenes	7.65	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	*0.475*		*0.500*		*95.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2313011-MSD1)				**Source: E303100-06**					Prepared: 03/27/23 Analyzed: 03/29/23
Benzene	2.32	0.0250	2.50	ND	92.6	48-131	6.96	23	
Ethylbenzene	2.32	0.0250	2.50	ND	92.9	45-135	5.28	27	
Toluene	2.39	0.0250	2.50	ND	95.5	48-130	5.46	24	
o-Xylene	2.47	0.0250	2.50	ND	98.8	43-135	5.90	27	
p,m-Xylene	4.77	0.0500	5.00	ND	95.3	43-135	5.44	27	
Total Xylenes	7.24	0.0250	7.50	ND	96.5	43-135	5.59	27	
Surrogate: Bromofluorobenzene	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.5*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313010-BLK1)									Prepared: 03/27/23 Analyzed: 03/27/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.499*		*0.500*		*99.7*	*70-130*			
LCS (2313010-BS2)									Prepared: 03/27/23 Analyzed: 03/27/23
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0		86.5	70-130			
Surrogate: Bromofluorobenzene	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.499*		*0.500*		*99.8*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike (2313010-MS2)				**Source: E303099-13**					Prepared: 03/27/23 Analyzed: 03/28/23
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.7	70-130			
Surrogate: Bromofluorobenzene	*0.511*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.516*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2313010-MSD2)				**Source: E303099-13**					Prepared: 03/27/23 Analyzed: 03/28/23
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.5	70-130	0.773	20	
Surrogate: Bromofluorobenzene	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313011-BLK1)									Prepared: 03/27/23 Analyzed: 03/29/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.450*		*0.500*		*90.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
LCS (2313011-BS2)									Prepared: 03/27/23 Analyzed: 03/29/23
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0		90.1	70-130			
Surrogate: Bromofluorobenzene	*0.447*		*0.500*		*89.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.478*		*0.500*		*95.5*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			
Matrix Spike (2313011-MS2)				**Source: E303100-06**					Prepared: 03/27/23 Analyzed: 03/29/23
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.5	70-130			
Surrogate: Bromofluorobenzene	*0.455*		*0.500*		*91.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.458*		*0.500*		*91.6*	*70-130*			
Surrogate: Toluene-d8	*0.504*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2313011-MSD2)				**Source: E303100-06**					Prepared: 03/27/23 Analyzed: 03/29/23
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.8	70-130	3.96	20	
Surrogate: Bromofluorobenzene	*0.457*		*0.500*		*91.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.457*		*0.500*		*91.3*	*70-130*			
Surrogate: Toluene-d8	*0.508*		*0.500*		*102*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313007-BLK1)									Prepared: 03/27/23 Analyzed: 03/29/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*61.9*		*50.0*		*124*	*50-200*			
LCS (2313007-BS1)									Prepared: 03/27/23 Analyzed: 03/29/23
Diesel Range Organics (C10-C28)	232	25.0	250		92.7	38-132			
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*50-200*			
Matrix Spike (2313007-MS1)				**Source: E303099-08**					Prepared: 03/27/23 Analyzed: 03/29/23
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	*52.2*		*50.0*		*104*	*50-200*			
Matrix Spike Dup (2313007-MSD1)				**Source: E303099-08**					Prepared: 03/27/23 Analyzed: 03/29/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	38-132	1.15	20	
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313009-BLK1)									Prepared: 03/27/23 Analyzed: 03/28/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
LCS (2313009-BS1)									Prepared: 03/27/23 Analyzed: 03/28/23
Diesel Range Organics (C10-C28)	222	25.0	250		88.8	38-132			
Surrogate: n-Nonane	*47.8*		*50.0*		*95.5*	*50-200*			
Matrix Spike (2313009-MS1)				**Source: E303100-08**					Prepared: 03/27/23 Analyzed: 03/28/23
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.3	38-132			
Surrogate: n-Nonane	*44.9*		*50.0*		*89.7*	*50-200*			
Matrix Spike Dup (2313009-MSD1)				**Source: E303100-08**					Prepared: 03/27/23 Analyzed: 03/28/23
Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.8	38-132	5.86	20	
Surrogate: n-Nonane	*44.5*		*50.0*		*89.1*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313026-BLK1)									Prepared: 03/28/23 Analyzed: 03/29/23
Chloride	ND	20.0							
LCS (2313026-BS1)									Prepared: 03/28/23 Analyzed: 03/29/23
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2313026-MS1)				**Source: E303104-21**					Prepared: 03/28/23 Analyzed: 03/29/23
Chloride	272	20.0	250	ND	109	80-120			
Matrix Spike Dup (2313026-MSD1)				**Source: E303104-21**					Prepared: 03/28/23 Analyzed: 03/29/23
Chloride	271	20.0	250	ND	108	80-120	0.477	20	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313027-BLK1)									Prepared: 03/28/23 Analyzed: 03/28/23
Chloride	ND	20.0							
LCS (2313027-BS1)									Prepared: 03/28/23 Analyzed: 03/28/23
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2313027-MS1)				**Source: E303099-01**					Prepared: 03/28/23 Analyzed: 03/28/23
Chloride	257	20.0	250	ND	103	80-120			
Matrix Spike Dup (2313027-MSD1)				**Source: E303099-01**					Prepared: 03/28/23 Analyzed: 03/28/23
Chloride	256	20.0	250	ND	102	80-120	0.410	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:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/31/23 11:10

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 | Chain of Custody | Page 1 of 3

Client: Pima Environmental Services	Bill To
Project: Burton Flat Deep 6	Attention: Devon
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 278
Report due by:	

Lab Use Only: Lab WO# E303099 | Job Number 01055C0007

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
8:00	3/23/23	S	1	S1-1'	1	X	
8:05				S1-2'	2		
8:10				S1-3'	3		
8:15				S1-4'	4		
8:20				S2-1'	5		
8:25				S2-2'	6		
8:30				S2-3'	7		
8:35				S2-4'	8		
8:40				S3-1'	9		
8:45				S3-2'	10		

Additional Instructions: Billing #: 211294

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Adriana Benavides

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3-24-23	2:00	Maelli Cuyle	3-24-23	1400
Maelli Cuyle	3-24-23	1730	Lorenzo Lei	3-24-23	1730
Lorenzo Lei	3-24-23	2330		3-25-23	8:00

Lab Use Only — Received on ice: (Y) N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 2 of 3

Client: Pima Environmental Services	Bill To
Project: Burton Flat Deep 61	Attention: Devon
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM. 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 278
Report due by:	

Lab Use Only: Lab WO# E303099 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
8:50	3/23/23	S	1	S3-3'	11	X	
8:55				S3-4'	12		
9:00				S4-1'	13		
9:05				S4-2'	14		
9:10				S4-3'	15		
9:15				S4-4'	16		
9:20				SW1	17		
9:25				SW2	18		
9:30				SW3	19		
9:35				SW4	20		

Additional Instructions: Billing #: 21112941

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Andriana Bernardez

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
AB	3-24-23	2:00	Michelle Campos	3-24-23	1400
Michelle Campos	3-24-23	1730	Lorenzo Lei	3-24-23	1730
Lorenzo Lei	3-24-23	2330		3-25-23	8:00

Lab Use Only — Received on ice: (Y) N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 3 of 3

Client: Pima Environmental Services	Bill To
Project: Burton Flat Deep 61	Attention: Devon
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM. 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 278
Report due by:	

Lab Use Only: Lab WO# E303099 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
9:40	3/23/23	S	1	BG1	21	X	
9:45	↓	↓	↓	SW5	22	X	

Additional Instructions: Billing #: 21129411

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Audriana Benavidez

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
AB	3-24-23	2:00	Mychell Cuayla	3-24-23	1400
Mychell Cuayla	3-24-23	1730	Lorenzo Lei	3-24-23	1730
Lorenzo Lei	3-24-23	2330		3-25-23	8:00

Lab Use Only — Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C _____

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 3/25/2023 10:01:40AM

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:	03/25/23 08:00	Work Order ID:	E303099
Phone:	(575) 631-6977	Date Logged In:	03/24/23 17:16	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	03/31/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC 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 non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

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

Date

envirotech Inc.

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:	Burton Flat Deep Unit 61H
Work Order:	E307183
Job Number:	01058-0007
Received:	8/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/2/23

Date Reported: 8/2/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Burton Flat Deep Unit 61H
Workorder: E307183
Date Received: 8/1/2023 6:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/1/2023 6:00:00AM, under the Project Name: Burton Flat Deep Unit 61H.

The analytical test results summarized in this report with the Project Name: Burton Flat Deep Unit 61H 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
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Office: 505-632-1881
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- CS1 Bottoms 5
- CS2 Bottoms 6
- CSW1 7
- CSW2 8
- CSW3 9
- CSW4 10
- CSW5 11

QC Summary Data 12

- QC - Volatile Organic Compounds by EPA 8260B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/02/23 14:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1 Bottoms	E307183-01A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CS2 Bottoms	E307183-02A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW1	E307183-03A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW2	E307183-04A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW3	E307183-05A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW4	E307183-06A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW5	E307183-07A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CS1 Bottoms

E307183-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*94.0 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CS2 Bottoms

E307183-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*94.7 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW1

E307183-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW2

E307183-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW3

E307183-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW4

E307183-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW5

E307183-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*112 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331017-BLK1)									Prepared: 07/31/23 Analyzed: 08/01/23
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: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS (2331017-BS1)									Prepared: 07/31/23 Analyzed: 08/01/23
Benzene	2.84	0.0250	2.50		114	70-130			
Ethylbenzene	2.65	0.0250	2.50		106	70-130			
Toluene	2.75	0.0250	2.50		110	70-130			
o-Xylene	2.79	0.0250	2.50		112	70-130			
p,m-Xylene	5.51	0.0500	5.00		110	70-130			
Total Xylenes	8.30	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.1*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
LCS Dup (2331017-BSD1)									Prepared: 07/31/23 Analyzed: 08/01/23
Benzene	2.76	0.0250	2.50		110	70-130	2.98	23	
Ethylbenzene	2.56	0.0250	2.50		102	70-130	3.66	27	
Toluene	2.67	0.0250	2.50		107	70-130	3.14	24	
o-Xylene	2.76	0.0250	2.50		111	70-130	0.936	27	
p,m-Xylene	5.47	0.0500	5.00		109	70-130	0.702	27	
Total Xylenes	8.23	0.0250	7.50		110	70-130	0.780	27	
Surrogate: Bromofluorobenzene	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331017-BLK1)									Prepared: 07/31/23 Analyzed: 08/01/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS (2331017-BS2)									Prepared: 07/31/23 Analyzed: 08/01/23
Gasoline Range Organics (C6-C10)	63.3	20.0	50.0		127	70-130			
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS Dup (2331017-BSD2)									Prepared: 07/31/23 Analyzed: 08/01/23
Gasoline Range Organics (C6-C10)	64.4	20.0	50.0		129	70-130	1.78	20	
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.8*	*70-130*			
Surrogate: Toluene-d8	*0.526*		*0.500*		*105*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331023-BLK1)									Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.6*		*50.0*		*85.1*	*50-200*			
LCS (2331023-BS1)									Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	216	25.0	250		86.2	38-132			
Surrogate: n-Nonane	*43.4*		*50.0*		*86.8*	*50-200*			
Matrix Spike (2331023-MS1)				**Source: E307184-02**					Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.6	38-132			
Surrogate: n-Nonane	*41.8*		*50.0*		*83.5*	*50-200*			
Matrix Spike Dup (2331023-MSD1)				**Source: E307184-02**					Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.3	38-132	0.412	20	
Surrogate: n-Nonane	*41.2*		*50.0*		*82.3*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331027-BLK1)									Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	ND	20.0							
LCS (2331027-BS1)									Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	261	20.0	250		105	90-110			
Matrix Spike (2331027-MS1)				**Source: E307183-01**					Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	269	20.0	250	ND	108	80-120			
Matrix Spike Dup (2331027-MSD1)				**Source: E307183-01**					Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	259	20.0	250	ND	104	80-120	3.83	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:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/02/23 14:27

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 1

Client: Pima Environmental Services
Project: Burton Flat Deep Unit 6TH
Project Manager: Tom Bynum
Address: 5614 N. Lovington Hwy.
City, State, Zip Hobbs, NM, 88240
Phone: 580-748-1613
Email: tom@pimaoil.com
Report due by:

Bill To
Attention: Devon
Address:
City, State, Zip
Phone:
Email:
Pima Project # 278

Lab Use Only
Lab WO# E307183 | Job Number 01058-0007

TAT: 1D X | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method

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 NM	BGDOC TX	Remarks
8:05	7/29	S		CS1 > Bottoms	1							X		
8:10	"	"		CS2 > "	2							"		
8:15	"	"		CSW1	3							"		
8:20	"	"		CSW2	4							"		
8:25	"	"		CSW3	5							"		
8:30	"	"		CSW4	6							"		
8:35	"	"		CSW5	7							"		

Additional Instructions: Billing # 211294 1

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Lurine Adame	7/31/23	2:00	Michelle Lunyek	7-31-23	1400
Michelle Lunyek	7-31-23	1715	Andrew Mesa	7.31.23	1730
Andrew Mesa	7-31-23	2330	Cartha Mann	8/1/23	6:00

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 8/1/2023 7:15:46AM

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:	08/01/23 06:00	Work Order ID:	E307183
Phone:	(575) 631-6977	Date Logged In:	07/31/23 15:24	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	08/01/23 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC 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 non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

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

Date

envirotech Inc.

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:	Burton Flat Deep Unit 61H
Work Order:	E307183
Job Number:	01058-0007
Received:	8/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/2/23

Date Reported: 8/2/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Burton Flat Deep Unit 61H
Workorder: E307183
Date Received: 8/1/2023 6:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/1/2023 6:00:00AM, under the Project Name: Burton Flat Deep Unit 61H.

The analytical test results summarized in this report with the Project Name: Burton Flat Deep Unit 61H 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
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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 Bottoms 5
- CS2 Bottoms 6
- CSW1 7
- CSW2 8
- CSW3 9
- CSW4 10
- CSW5 11

QC Summary Data 12

- QC - Volatile Organic Compounds by EPA 8260B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/02/23 14:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1 Bottoms	E307183-01A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CS2 Bottoms	E307183-02A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW1	E307183-03A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW2	E307183-04A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW3	E307183-05A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW4	E307183-06A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW5	E307183-07A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CS1 Bottoms

E307183-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*94.0 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CS2 Bottoms

E307183-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*94.7 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW1

E307183-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW2

E307183-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW3

E307183-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW4

E307183-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW5

E307183-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*112 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331017-BLK1)									Prepared: 07/31/23 Analyzed: 08/01/23
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: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS (2331017-BS1)									Prepared: 07/31/23 Analyzed: 08/01/23
Benzene	2.84	0.0250	2.50		114	70-130			
Ethylbenzene	2.65	0.0250	2.50		106	70-130			
Toluene	2.75	0.0250	2.50		110	70-130			
o-Xylene	2.79	0.0250	2.50		112	70-130			
p,m-Xylene	5.51	0.0500	5.00		110	70-130			
Total Xylenes	8.30	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.1*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
LCS Dup (2331017-BSD1)									Prepared: 07/31/23 Analyzed: 08/01/23
Benzene	2.76	0.0250	2.50		110	70-130	2.98	23	
Ethylbenzene	2.56	0.0250	2.50		102	70-130	3.66	27	
Toluene	2.67	0.0250	2.50		107	70-130	3.14	24	
o-Xylene	2.76	0.0250	2.50		111	70-130	0.936	27	
p,m-Xylene	5.47	0.0500	5.00		109	70-130	0.702	27	
Total Xylenes	8.23	0.0250	7.50		110	70-130	0.780	27	
Surrogate: Bromofluorobenzene	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331017-BLK1)									Prepared: 07/31/23 Analyzed: 08/01/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS (2331017-BS2)									Prepared: 07/31/23 Analyzed: 08/01/23
Gasoline Range Organics (C6-C10)	63.3	20.0	50.0		127	70-130			
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS Dup (2331017-BSD2)									Prepared: 07/31/23 Analyzed: 08/01/23
Gasoline Range Organics (C6-C10)	64.4	20.0	50.0		129	70-130	1.78	20	
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.8*	*70-130*			
Surrogate: Toluene-d8	*0.526*		*0.500*		*105*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331023-BLK1)									Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.6*		*50.0*		*85.1*	*50-200*			
LCS (2331023-BS1)									Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	216	25.0	250		86.2	38-132			
Surrogate: n-Nonane	*43.4*		*50.0*		*86.8*	*50-200*			
Matrix Spike (2331023-MS1)				**Source: E307184-02**					Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.6	38-132			
Surrogate: n-Nonane	*41.8*		*50.0*		*83.5*	*50-200*			
Matrix Spike Dup (2331023-MSD1)				**Source: E307184-02**					Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.3	38-132	0.412	20	
Surrogate: n-Nonane	*41.2*		*50.0*		*82.3*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331027-BLK1)									Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	ND	20.0							
LCS (2331027-BS1)									Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	261	20.0	250		105	90-110			
Matrix Spike (2331027-MS1)				**Source: E307183-01**					Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	269	20.0	250	ND	108	80-120			
Matrix Spike Dup (2331027-MSD1)				**Source: E307183-01**					Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	259	20.0	250	ND	104	80-120	3.83	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:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/02/23 14:27

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information

Chain of Custody

Page 1 of 1

Client: Pima Environmental Services
Project: Burton Flat Deep Unit 6TH
Project Manager: Tom Bynum
Address: 5614 N. Lovington Hwy.
City, State, Zip Hobbs, NM, 88240
Phone: 580-748-1613
Email: tom@pimaoil.com
Report due by:

Bill To
Attention: Devon
Address:
City, State, Zip
Phone:
Email:
Pima Project # 278

Lab Use Only
Lab WO# E307183
Job Number 01058-0007

TAT: 1D X | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method

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 NM	BGDOC TX	Remarks
8:05	7/29	S		CS1 > Bottoms	1							X		
8:10	"	"		CS2 > "	2							"		
8:15	"	"		CSW1	3							"		
8:20	"	"		CSW2	4							"		
8:25	"	"		CSW3	5							"		
8:30	"	"		CSW4	6							"		
8:35	"	"		CSW5	7							"		

Additional Instructions: Billing # 211294 1

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Lurine Adame	7/31/23	2:00	Michelle Lunyek	7-31-23	1400
Michelle Lunyek	7-31-23	1715	Andrew Mcgee	7.31.23	1730
Andrew Mcgee	7-31-23	2330	Cartha Mann	8/1/23	6:00

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 8/1/2023 7:15:46AM

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:	08/01/23 06:00	Work Order ID:	E307183
Phone:	(575) 631-6977	Date Logged In:	07/31/23 15:24	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	08/01/23 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC 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 non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

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

Date

envirotech Inc.

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

August 9, 2023

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

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

RE: Site Assessment, Liner Inspection and Closure Report
Burton Flat Deep Unit 61H
API No. 30-015-43136
GPS: Latitude 32.5076509 Longitude -104.1585985
UL- L, Section 02, Township 21S, Range 27E,
Eddy County, NM
NMOCD Reference No. NAB1916437520

Devon Energy Production Company (Devon) has contracted Pima Environmental Services, LLC (Pima) to perform a liner inspection, spill assessment, remediation activities, and prepare this closure report for a produced water and condensate release that happened at the Burton Flat Deep Unit 61H (Burton). An initial C-141 was submitted on June 7, 2019, and can be found in Appendix B. This incident was assigned Incident ID NAB1916437520, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Burton is located approximately five (5) miles northeast of Carlsbad, NM. This spill site is in Unit L, Section 02, Township 21S, Range 27E, Latitude 32.5076509 Longitude -104.1585985, Eddy County, NM.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology made up of Eolian deposits (Holocene to middle Pleistocene). The soil in this area is made up of Gypsum land-Reeves complex, 0 to 3 percent slopes, eroded 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 around the Burton (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest ground water in this area is 20 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest ground water is 26 feet BGS. The closest waterway is the Lake Avalon, located approximately 4.65 miles to the west of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	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

NAB1916437520: On June 3, 2019. A produced water tank was struck by lightning causing a fire. The condensate oil tank next to the PW tank, burned down and started leaking causing fluid to be released out of containment onto the pasture. Approximately 113 barrels (bbls) of produced water and 108 bbls of condensate was released from the tank. A vacuum truck was dispatched and recovered all 221 bbls of fluid from the lined SPCC containment ring. Due to the fire fluid was released onto the pad and pasture.

Site Assessment and Soil Results

On March 23, 2023, Pima mobilized personnel to the site to assess the area. We sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A site map can be found in Figure 4.

3-23-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -BURTON FLAT DEEP UNIT #061H								
Sample Date: 3/23/2023				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
S-1	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	32.6
	4'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	168
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	38.4
	4'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	146
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	38.9
	4'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	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
SW 5	6"	ND	ND	ND	ND	ND	0	ND
BG 1	6"	ND	ND	ND	ND	ND	0	ND

ND-Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the soil sample results, the contamination levels are already less than the regulatory limits of the most stringent criteria in Table 1 of NMAC 19.15.29.1.

Site Assessment and Liner Inspection

On March 25, 2023, after sending the 48-hour notification via email, Pima Environmental conducted a liner inspection at this location. We concluded that this liner had been repaired and this containment can maintain its integrity and its able to retain fluids. The liner inspection form and photographic documentation can be found in Appendix C.

Remediation Activities

On July 27, 2023, Devon Construction Department mobilized personnel and equipment to conduct remedial activities. They excavated the area to an average depth of 1' bgs. Pima personnel collected samples to verify all contaminated soil had been removed. The contaminated soil, which was approximately 7 cubic yards, was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On July 29, 2023, after sending a 48-hour notification (Appendix C), Pima collected 5-point composite confirmation samples of the excavated areas. Laboratory results of this sampling event can be found in the following data table. A Confirmation Sample Map can be found in Figure 5.

7-29-23 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -BURTON FLAT DEEP UNIT #061H								
Sample Date: 7/29/2023 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
CS1 Bottoms	1'	ND	ND	ND	ND	ND	0	ND
CS2 Bottoms	1'	ND	ND	ND	ND	ND	0	ND
CSW 1	1'	ND	ND	ND	ND	ND	0	ND
CSW 2	1'	ND	ND	ND	ND	ND	0	ND
CSW 3	1'	ND	ND	ND	ND	ND	0	ND
CSW 4	1'	ND	ND	ND	ND	ND	0	ND
CSW 5	1'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Closure Request

After careful review, Pima requests that this incident, NAB1916437520 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 575-964-7740 or Gio@pimaoil.com.

Respectfully,

Gio Gomez

Gio Gomez
Project Manager
Pima Environmental Services, LLC

Attachments

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

Appendices:
Appendix A- Referenced Water Survey
Appendix B- Soil Survey and Geological Data
Appendix C- C-141 Form & 48 Hour Notification's
Appendix D- Liner Inspection Form & Photographic Documentation
Appendix E- Laboratory Reports

Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

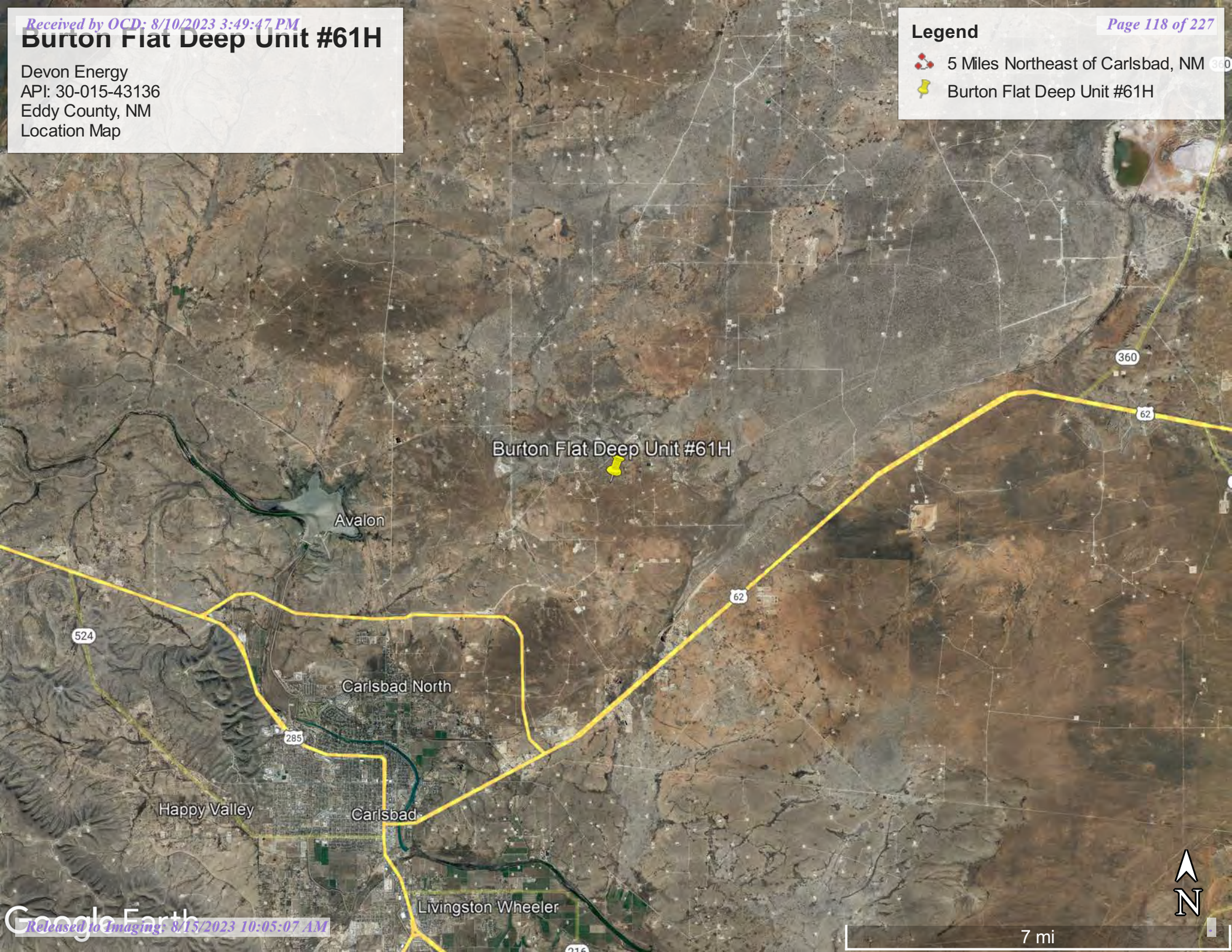
3-Karst Map

4-Site Map

5-Confirmation Sample Map

Burton Flat Deep Unit #61H

Devon Energy
API: 30-015-43136
Eddy County, NM
Location Map



Burton Flat Deep Unit #61H

Devon Energy
API: 30-015-43136
Eddy County, NM
Topographic Map

Legend

Burton Flat Deep Unit #61H

Burton Flat Deep Unit #61H

Palmilla

Scanlon

Draw

Flat

Saladar

R27E

R28E

1 mi

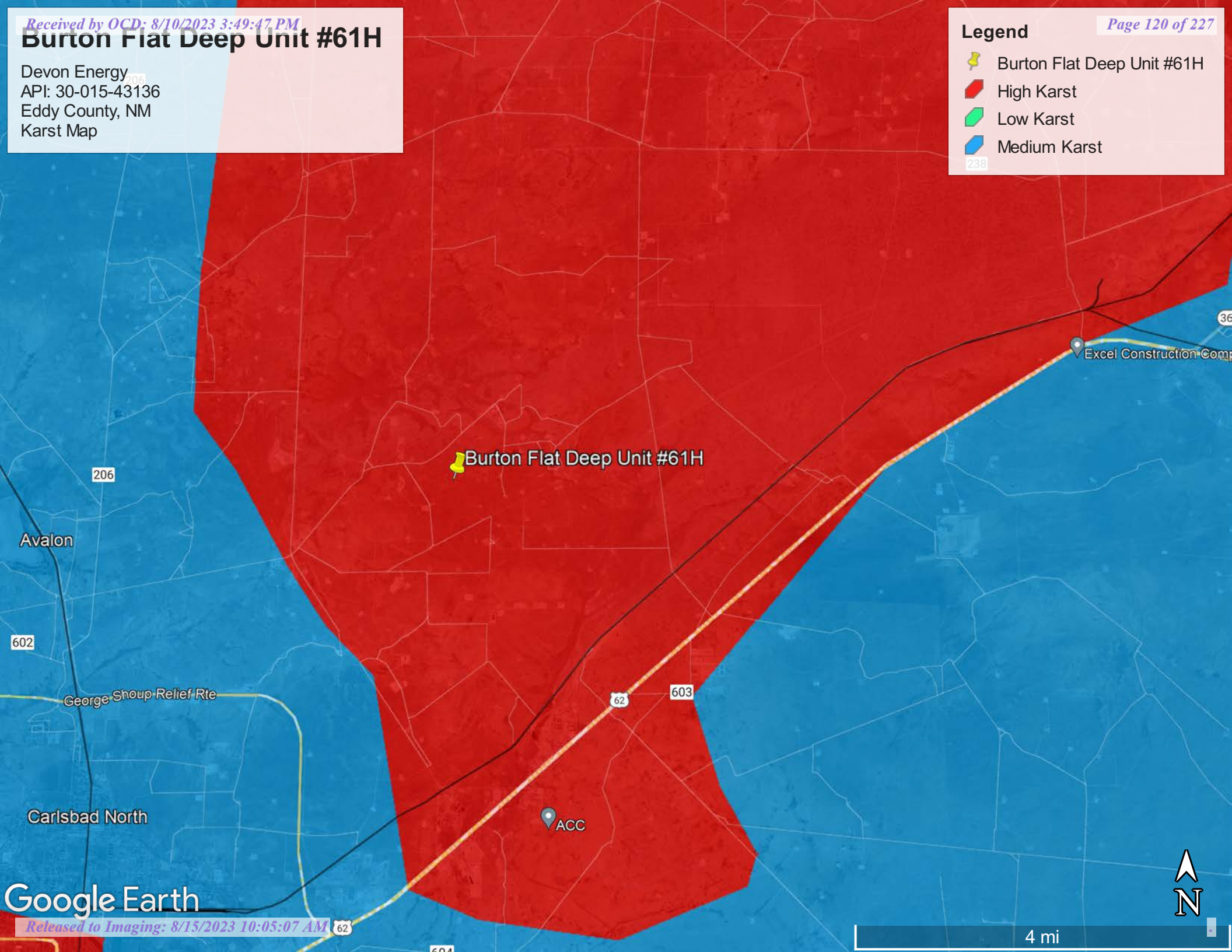
Google Earth

Burton Flat Deep Unit #61H

Devon Energy
API: 30-015-43136
Eddy County, NM
Karst Map

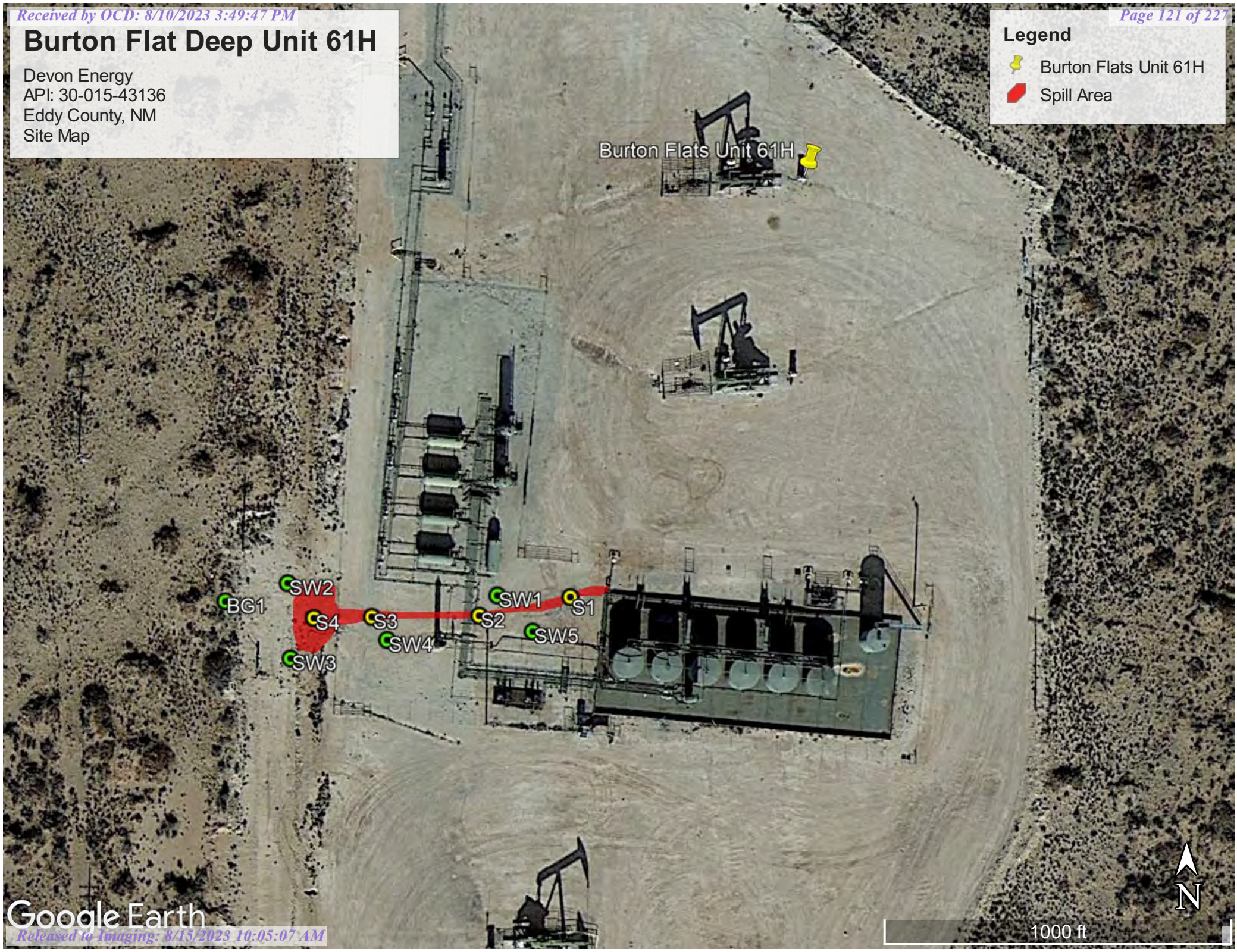
Legend

- Burton Flat Deep Unit #61H
- High Karst
- Low Karst
- Medium Karst



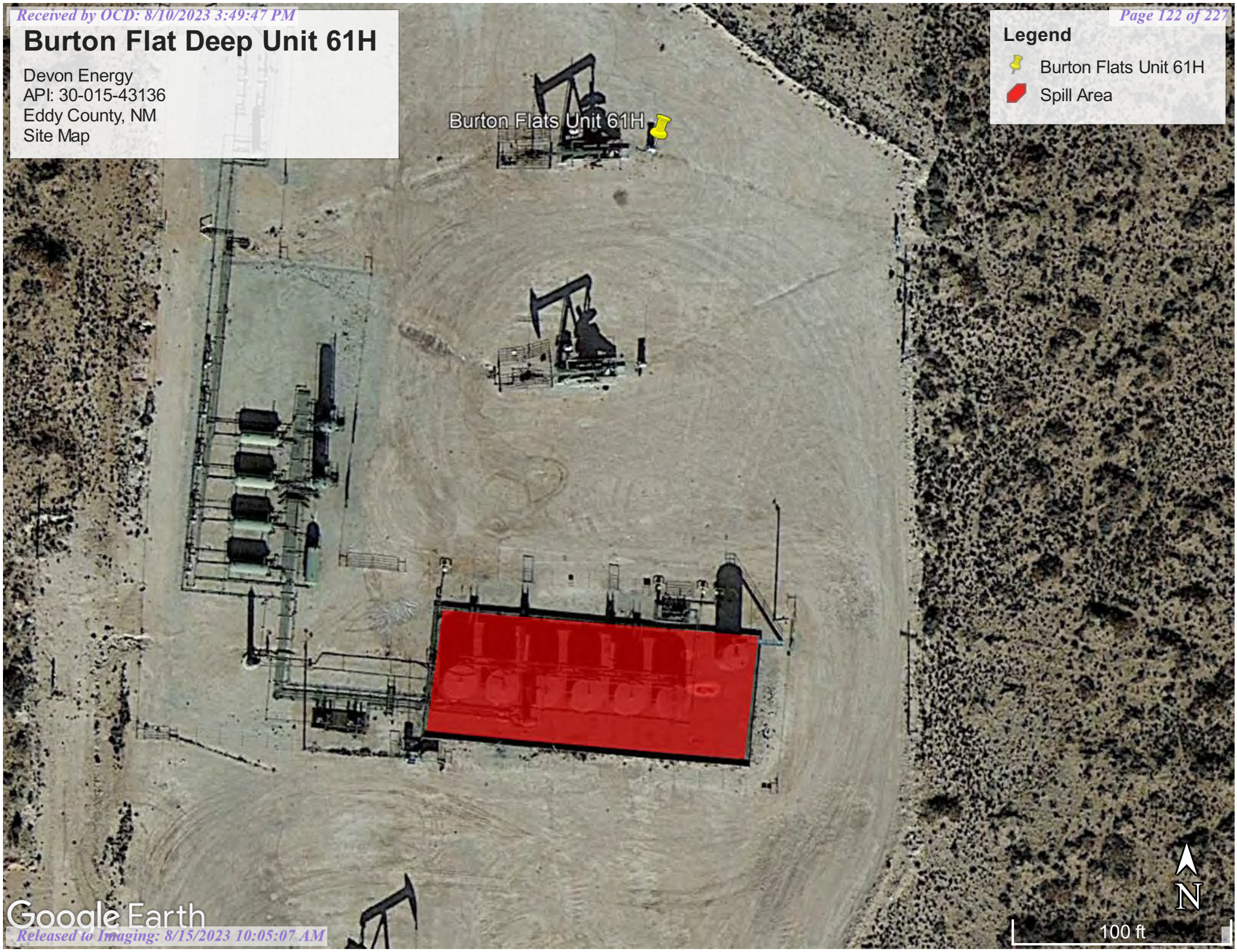
Burton Flat Deep Unit 61H

Devon Energy
API: 30-015-43136
Eddy County, NM
Site Map



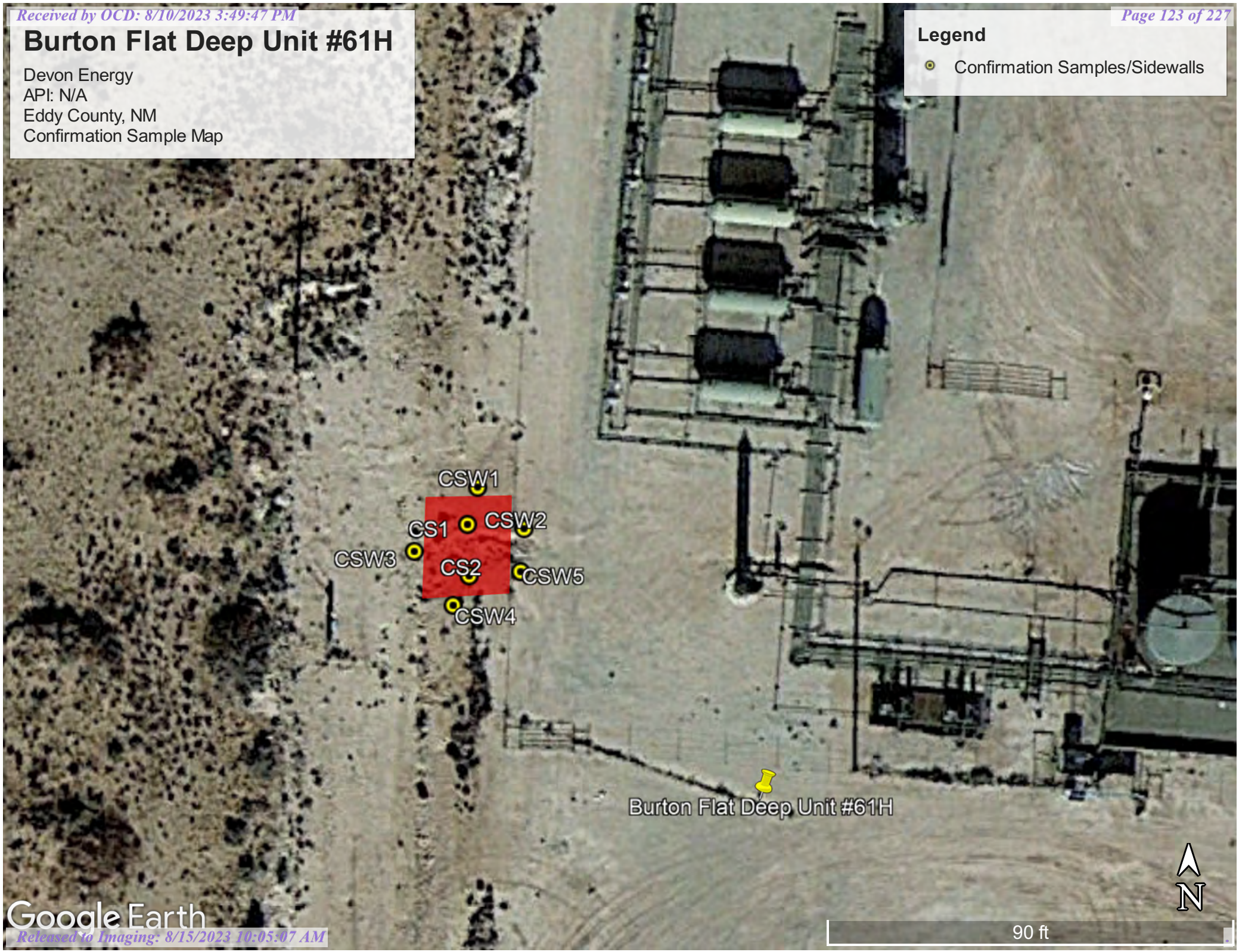
Burton Flat Deep Unit 61H

Devon Energy
API: 30-015-43136
Eddy County, NM
Site Map



Burton Flat Deep Unit #61H

Devon Energy
API: N/A
Eddy County, NM
Confirmation Sample Map



Pima Environmental Services

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 Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 00469	C	CUB	ED		1	4	02	21S	27E	579078	3596994*	48	767		
C 03525 POD3		CUB	ED	1	1	1	01	21S	27E	579728	3598332	1484	30		
C 03525 POD2		CUB	ED	2	2	2	02	21S	27E	579676	3598362	1488	29	20	9
C 03525 POD1		CUB	ED	1	1	1	01	21S	27E	579702	3598362	1500	31	20	11
C 03525 POD4		CUB	ED	1	1	1	01	21S	27E	579728	3598362	1511	29		
C 02992		C	ED	3	3	2	01	21S	27E	580594	3597311*	1585	250	186	64
C 01142		C	ED	3	1	4	03	21S	27E	577358	3596873*	1684	100		
C 03689 POD1		C	ED	1	1	2	01	21S	27E	580490	3598014	1762	95	10	85
C 03350		C	ED	1	4	2	01	21S	27E	580896	3597476	1915	76	8	68
C 03268 POD1		CUB	ED	4	2	4	01	21S	27E	581201	3596915	2167	48	13	35
C 02907		C	ED	3	2	1	03	21S	27E	576959	3597669*	2176	52	14	38
C 03690 POD1		C	ED	4	1	4	10	21S	27E	577482	3595179	2407	200		
C 00465	C	CUB	ED	3	2	1	14	21S	27E	578576	3594475*	2584			
C 00473	C	CUB	ED		3	2	14	21S	27E	579087	3594177*	2841	562		

Average Depth to Water: **38 feet**
Minimum Depth: **8 feet**
Maximum Depth: **186 feet**

Record Count: 14

UTMNAD83 Radius Search (in meters):

Easting (X): 579035.95 **Northing (Y):** 3597018.52 **Radius:** 3000

***UTM location was derived from PLSS - see Help**

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 323029104103901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

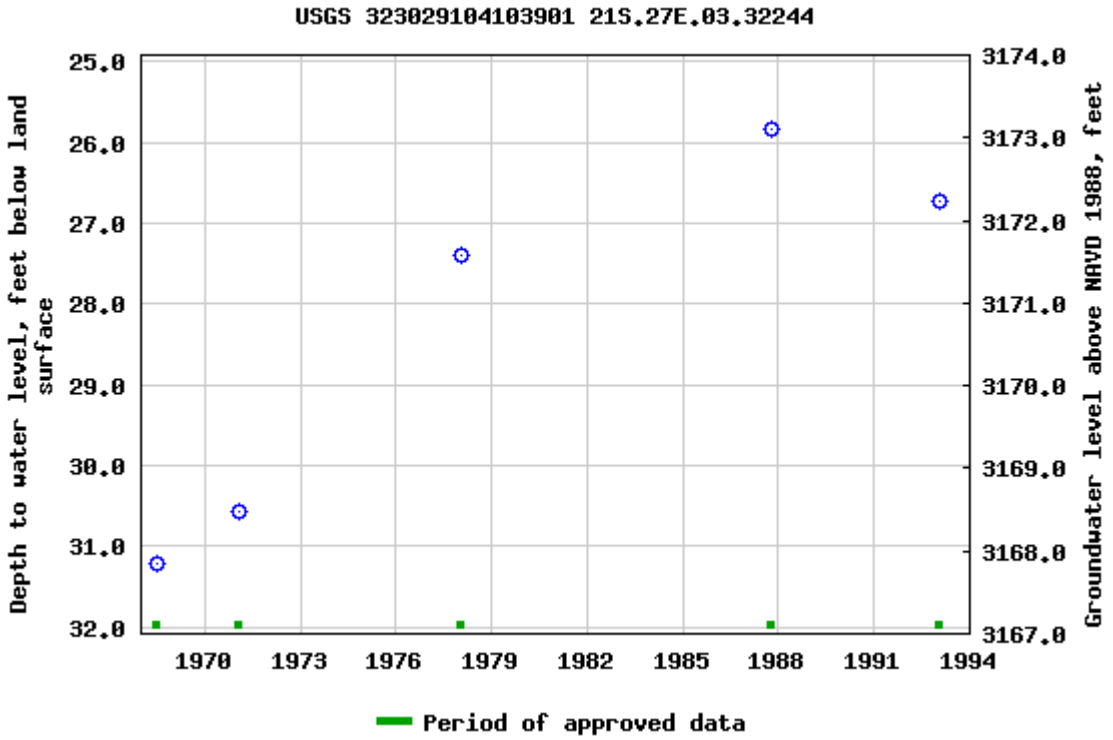
USGS 323029104103901 21S.27E.03.32244

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°30'29", Longitude 104°10'39" NAD27
Land-surface elevation 3,199 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) 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.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms

Subscribe for system changes
News

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2023-01-25 10:47:49 EST
0.62 0.51 nadww02

Burton Flat Deep Unit #61H

Devon Energy
API: 30-015-43136
Eddy County, NM
Surface Water Map

Legend

- 4.98 Miles
- Burton Flat Deep Unit #61H

Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Eddy Area, New Mexico

GR—Gypsum land-Reeves complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w4h
Elevation: 3,000 to 5,000 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Gypsum land: 55 percent
Reeves and similar soils: 35 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s
Hydric soil rating: No

Description of Reeves

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: sandy loam
H2 - 8 to 32 inches: clay loam

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: 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: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Unnamed soils

Percent of map unit: 10 percent
Hydric soil rating: No

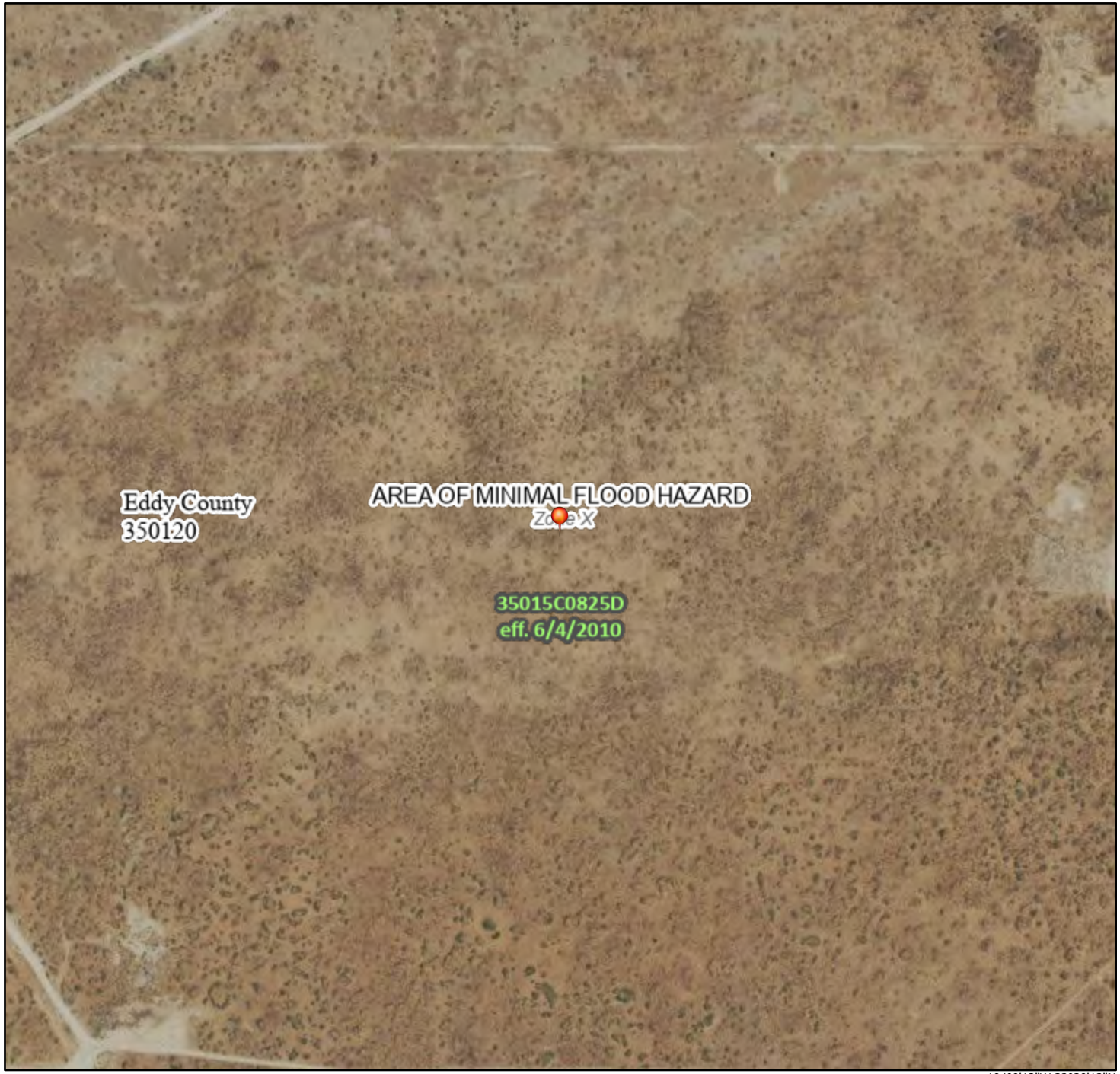
Data Source Information

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

National Flood Hazard Layer FIRMette

FEMA

104°9'50"W 32°30'43"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°9'13"W 32°30'12"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 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*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 8/4/2023 at 11:41 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map

March 8, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

Pima Environmental Services

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	NAB1916437520
District RP	2RP-5483
Facility ID	
Application ID	pAB1916437273

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Amanda T. Davis	Contact Telephone 575-748-0176
Contact email amanda.davis@dvn.com	Incident # *(assigned by OCD)* NAB1916437520
Contact mailing address 6488 Seven Rivers HWY	

Location of Release Source

Latitude 32.5076509 Longitude -104.1585985
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Burton Flat Deep Unit #061H	Site Type Oil
Date Release Discovered 6/3/2019	API# *(if applicable)* 30-015-43136

Unit Letter	Section	Township	Range	County
L	02	21S	27E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 113	Volume Recovered (bbls) 113
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) 108	Volume Recovered (bbls) 108
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: A produced water tank was struck by lightning causing a fire. The condensate oil tank next to the PW tank, burned down started leaking. Fluid leaked out of containment into the pasture. Spill area in pasture approximately 25'x31'x1/2".

Incident ID	NAB1916437520
District RP	2RP-5483
Facility ID	
Application ID	pAB1916437273

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? This is considered a major release because it is over 25 BBLS.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Email notification sent to Robert Hamlet, Victoria Venegas, Mike Bratcher and Jim Griswold from Brett Fulks on 6/4/19.

Initial Response

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

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

The fire damaged the containment. An estimated 1.16 bbls leaked from the damage containment.

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kendra DeHoyos Title: EHS Associate

Signature: Kendra DeHoyos Date: 6/7/2019

email: kendra.dehoyos@dvn.com Telephone: 575-748-3371

OCD Only

Received by: Amalia Bustamante Date: 6/13/2019

State of New Mexico
Oil Conservation Division

Incident ID	NAB1916437520
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 ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☒ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAB1916437520
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: 8/10/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAB1916437520
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 District office must be notified 2 days prior to final sampling)

[x] Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 8/10/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Gmail

Gio PimaOil <gio@pimaoil.com>

Burton Flat Deep Unit 61H - Liner Inspection

1 message

Gio PimaOil <gio@pimaoil.com> Wed, Mar 22, 2023 at 1:03 PM
To: ocdonline@state.nm.us, Tom Pima Oil <tom@pimaoil.com>

Good Afternoon,

Pima Environmental would like to notify you that we will be conducting a liner Inspection at the Burton Flat Deep Unit 61H for incident NAB1916437520 *. Pima personnel are scheduled to be on site for this Inspection event at approximately 7:00 a.m. On Saturday, March 25, 2023. If you have any questions or concerns, please let me know. Thank you*

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

Gmail

Gio PimaOil <gio@pimaoil.com>

Burton Flat Deep Unit 61H Sampling Confirmation Samples

1 message

Gio PimaOil <gio@pimaoil.com> Wed, Jul 26, 2023 at 10:32 AM
To: ocdonline@state.nm.us, Tom Pima Oil <tom@pimaoil.com>

Good Morning,
Pima Environmental would like to notify you that we will begin collecting confirmation samples at the Burton Flat Deep Unit 61H for incident NAB1916437520. Pima personnel are scheduled to be on site for this sampling event at approximately 7:00 am. on Saturday, July 29, 2023. If you have any questions or concerns, please let me know. Thank you

--

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

Pima Environmental Services

Appendix D

Photographic Documentation

LIner Inspection Form

SITE PHOTOGRAPHS
DEVON ENERGY
BURTON FLAT DEEP UNIT #061H

Liner Inspection


32.50696216N 104.16833693W
Burton Flat deep unit 61H-62H CTB
Liner inspection
Devon


32.507108N 104.16827637W
Burton Flat deep unit 61H-62H CTB
Liner inspection
Devon


32.50709786N 104.16853129W
Burton Flat deep unit 61H-62H CTB
Liner inspection
Devon

Site Assessment

Excavation


+32.507026,-104.169211
Eddy County
Devon
Burton Flat Deep Unit 61H
Excavation


+32.507026,-104.169211
Eddy County
Devon
Burton Flat Deep Unit 61H
Excavation


+32.507026,-104.1692 In
Eddy County
Devon
Burton Flat Deep Unit 61H
Excavation


+32.507083,-104.169301
Eddy County
Devon
Burton Flat Deep Unit 61H
Excavation


+32.507119,-104.169198
Eddy County
Devon
Burton Flat Deep Unit 61H
Excavation

Post Excavation

Pima Environmental Services, LLC

Liner Inspection Form

Company Name: Devon Energy

Site: Burton Flat Deep Unit 61H

Lat/Long: 32.30098, -103.6807

NMOCD Incident ID & Incident Date: NAB1916437520 & 6/3/2019

2-Day Notification Sent: via Email by Gio Gomez 6/22/2023

Inspection Date: 3/25/2023

Liner Type: Earthen w/liner | Earthen no liner | Polystar | Steel w/poly liner | Steel w/spray epoxy | No Liner

Other: _____

Visualization	Yes	No	Comments
Is there a tear in the liner?		X	
Are there holes in the liner?		X	
Is the liner retaining any fluids?		X	
Does the liner have integrity to contain a leak?	X		

Comments: _____

Inspector Name: Dominick Gonzales Inspector Signature: Dominick Gonzales

Pima Environmental Services

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:	Burton Flat Deep 61
Work Order:	E303099
Job Number:	01058-0007
Received:	3/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/31/23

Date Reported: 3/31/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Burton Flat Deep 61
Workorder: E303099
Date Received: 3/25/2023 8:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2023 8:00:00AM, under the Project Name: Burton Flat Deep 61.

The analytical test results summarized in this report with the Project Name: Burton Flat Deep 61 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 5

Sample Data 6

S1-1’ 6

S1-2’ 7

S1-3’ 8

S1-4’ 9

S2-1’ 10

S2-2’ 11

S2-3’ 12

S2-4’ 13

S3-1’ 14

S3-2’ 15

S3-3’ 16

S3-4’ 17

S4-1’ 18

S4-2’ 19

S4-3’ 20

S4-4’ 21

SW1 22

SW2 23

SW3 24

SW4 25

Table of Contents (continued)

BG1 26

SW5 27

QC Summary Data 28

QC - Volatile Organic Compounds by EPA 8260B 28

QC - Nonhalogenated Organics by EPA 8015D - GRO 30

QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 32

QC - Anions by EPA 300.0/9056A 34

Definitions and Notes 36

Chain of Custody etc. 37

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/31/23 11:10

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-1'	E303099-01A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S1-2'	E303099-02A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S1-3'	E303099-03A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S1-4'	E303099-04A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S2-1'	E303099-05A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S2-2'	E303099-06A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S2-3'	E303099-07A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S2-4'	E303099-08A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S3-1'	E303099-09A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S3-2'	E303099-10A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S3-3'	E303099-11A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S3-4'	E303099-12A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S4-1'	E303099-13A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S4-2'	E303099-14A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S4-3'	E303099-15A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
S4-4'	E303099-16A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
SW1	E303099-17A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
SW2	E303099-18A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
SW3	E303099-19A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
SW4	E303099-20A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
BG1	E303099-21A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
SW5	E303099-22A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S1-1'

E303099-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S1-2'

E303099-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S1-3'

E303099-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	**32.6**	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S1-4'

E303099-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S2-1'

E303099-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	**168**	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S2-2'

E303099-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/31/23	
Surrogate: n-Nonane		*107 %*	*50-200*	*03/27/23*	*03/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S2-3'

E303099-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	**38.4**	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S2-4'

E303099-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*109 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S3-1'

E303099-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	**146**	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S3-2'

E303099-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*109 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S3-3'

E303099-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	**38.9**	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S3-4'

E303099-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/29/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*03/27/23*	*03/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S4-1'

E303099-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/27/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/27/23	
Toluene	ND	0.0250	1	03/27/23	03/27/23	
o-Xylene	ND	0.0250	1	03/27/23	03/27/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/27/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/27/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/27/23*	*03/27/23*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*03/27/23*	*03/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/27/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*03/27/23*	*03/27/23*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*03/27/23*	*03/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S4-2'

E303099-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S4-3'

E303099-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

S4-4'

E303099-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*106 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

SW1

E303099-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*107 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/29/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

SW2

E303099-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/29/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

SW3

E303099-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/29/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

SW4

E303099-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/28/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*03/27/23*	*03/28/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/30/23	
Surrogate: n-Nonane		*111 %*	*50-200*	*03/27/23*	*03/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/29/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

BG1

E303099-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2313011
Benzene	ND	0.0250	1	03/27/23	03/29/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/29/23	
Toluene	ND	0.0250	1	03/27/23	03/29/23	
o-Xylene	ND	0.0250	1	03/27/23	03/29/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/29/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/29/23	
Surrogate: Bromofluorobenzene		*87.1 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.6 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*03/27/23*	*03/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2313011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/29/23	
Surrogate: Bromofluorobenzene		*87.1 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.6 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*03/27/23*	*03/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2313009
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/28/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/27/23*	*03/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313026
Chloride	ND	20.0	1	03/28/23	03/29/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

SW5

E303099-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2313011
Benzene	ND	0.0250	1	03/27/23	03/29/23	
Ethylbenzene	ND	0.0250	1	03/27/23	03/29/23	
Toluene	ND	0.0250	1	03/27/23	03/29/23	
o-Xylene	ND	0.0250	1	03/27/23	03/29/23	
p,m-Xylene	ND	0.0500	1	03/27/23	03/29/23	
Total Xylenes	ND	0.0250	1	03/27/23	03/29/23	
Surrogate: Bromofluorobenzene		*87.5 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: 1,2-Dichloroethane-d4		*90.8 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/29/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2313011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	03/29/23	
Surrogate: Bromofluorobenzene		*87.5 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: 1,2-Dichloroethane-d4		*90.8 %*	*70-130*	*03/27/23*	*03/29/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/27/23*	*03/29/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2313009
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	03/28/23	
Surrogate: n-Nonane		*100 %*	*50-200*	*03/27/23*	*03/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2313026
Chloride	ND	20.0	1	03/28/23	03/29/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313010-BLK1)									Prepared: 03/27/23 Analyzed: 03/27/23
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: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.499*		*0.500*		*99.7*	*70-130*			
LCS (2313010-BS1)									Prepared: 03/27/23 Analyzed: 03/27/23
Benzene	2.38	0.0250	2.50		95.2	70-130			
Ethylbenzene	2.33	0.0250	2.50		93.1	70-130			
Toluene	2.32	0.0250	2.50		92.7	70-130			
o-Xylene	2.43	0.0250	2.50		97.1	70-130			
p,m-Xylene	4.75	0.0500	5.00		95.0	70-130			
Total Xylenes	7.18	0.0250	7.50		95.7	70-130			
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.504*		*0.500*		*101*	*70-130*			
Matrix Spike (2313010-MS1)				**Source: E303099-13**					Prepared: 03/27/23 Analyzed: 03/27/23
Benzene	2.31	0.0250	2.50	ND	92.4	48-131			
Ethylbenzene	2.22	0.0250	2.50	ND	88.9	45-135			
Toluene	2.25	0.0250	2.50	ND	90.2	48-130			
o-Xylene	2.34	0.0250	2.50	ND	93.6	43-135			
p,m-Xylene	4.56	0.0500	5.00	ND	91.1	43-135			
Total Xylenes	6.90	0.0250	7.50	ND	91.9	43-135			
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2313010-MSD1)				**Source: E303099-13**					Prepared: 03/27/23 Analyzed: 03/28/23
Benzene	2.36	0.0250	2.50	ND	94.3	48-131	2.10	23	
Ethylbenzene	2.32	0.0250	2.50	ND	92.6	45-135	4.12	27	
Toluene	2.30	0.0250	2.50	ND	91.9	48-130	1.91	24	
o-Xylene	2.46	0.0250	2.50	ND	98.4	43-135	4.96	27	
p,m-Xylene	4.84	0.0500	5.00	ND	96.8	43-135	6.03	27	
Total Xylenes	7.30	0.0250	7.50	ND	97.3	43-135	5.66	27	
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.510*		*0.500*		*102*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313011-BLK1)									Prepared: 03/27/23 Analyzed: 03/29/23
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: Bromofluorobenzene	*0.450*		*0.500*		*90.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
LCS (2313011-BS1)									Prepared: 03/27/23 Analyzed: 03/29/23
Benzene	2.59	0.0250	2.50		104	70-130			
Ethylbenzene	2.54	0.0250	2.50		102	70-130			
Toluene	2.61	0.0250	2.50		104	70-130			
o-Xylene	2.71	0.0250	2.50		108	70-130			
p,m-Xylene	5.17	0.0500	5.00		103	70-130			
Total Xylenes	7.87	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	*0.479*		*0.500*		*95.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
Matrix Spike (2313011-MS1)				**Source: E303100-06**					Prepared: 03/27/23 Analyzed: 03/29/23
Benzene	2.48	0.0250	2.50	ND	99.3	48-131			
Ethylbenzene	2.45	0.0250	2.50	ND	98.0	45-135			
Toluene	2.52	0.0250	2.50	ND	101	48-130			
o-Xylene	2.62	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.03	0.0500	5.00	ND	101	43-135			
Total Xylenes	7.65	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	*0.475*		*0.500*		*95.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2313011-MSD1)				**Source: E303100-06**					Prepared: 03/27/23 Analyzed: 03/29/23
Benzene	2.32	0.0250	2.50	ND	92.6	48-131	6.96	23	
Ethylbenzene	2.32	0.0250	2.50	ND	92.9	45-135	5.28	27	
Toluene	2.39	0.0250	2.50	ND	95.5	48-130	5.46	24	
o-Xylene	2.47	0.0250	2.50	ND	98.8	43-135	5.90	27	
p,m-Xylene	4.77	0.0500	5.00	ND	95.3	43-135	5.44	27	
Total Xylenes	7.24	0.0250	7.50	ND	96.5	43-135	5.59	27	
Surrogate: Bromofluorobenzene	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.5*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313010-BLK1)									Prepared: 03/27/23 Analyzed: 03/27/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.499*		*0.500*		*99.7*	*70-130*			
LCS (2313010-BS2)									Prepared: 03/27/23 Analyzed: 03/27/23
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0		86.5	70-130			
Surrogate: Bromofluorobenzene	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.499*		*0.500*		*99.8*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike (2313010-MS2)				**Source: E303099-13**					Prepared: 03/27/23 Analyzed: 03/28/23
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.7	70-130			
Surrogate: Bromofluorobenzene	*0.511*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.516*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2313010-MSD2)				**Source: E303099-13**					Prepared: 03/27/23 Analyzed: 03/28/23
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.5	70-130	0.773	20	
Surrogate: Bromofluorobenzene	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.513*		*0.500*		*103*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313011-BLK1)									Prepared: 03/27/23 Analyzed: 03/29/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.450*		*0.500*		*90.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
LCS (2313011-BS2)									Prepared: 03/27/23 Analyzed: 03/29/23
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0		90.1	70-130			
Surrogate: Bromofluorobenzene	*0.447*		*0.500*		*89.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.478*		*0.500*		*95.5*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			
Matrix Spike (2313011-MS2)				**Source: E303100-06**					Prepared: 03/27/23 Analyzed: 03/29/23
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.5	70-130			
Surrogate: Bromofluorobenzene	*0.455*		*0.500*		*91.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.458*		*0.500*		*91.6*	*70-130*			
Surrogate: Toluene-d8	*0.504*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2313011-MSD2)				**Source: E303100-06**					Prepared: 03/27/23 Analyzed: 03/29/23
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.8	70-130	3.96	20	
Surrogate: Bromofluorobenzene	*0.457*		*0.500*		*91.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.457*		*0.500*		*91.3*	*70-130*			
Surrogate: Toluene-d8	*0.508*		*0.500*		*102*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313007-BLK1)									Prepared: 03/27/23 Analyzed: 03/29/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*61.9*		*50.0*		*124*	*50-200*			
LCS (2313007-BS1)									Prepared: 03/27/23 Analyzed: 03/29/23
Diesel Range Organics (C10-C28)	232	25.0	250		92.7	38-132			
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*50-200*			
Matrix Spike (2313007-MS1)				**Source: E303099-08**					Prepared: 03/27/23 Analyzed: 03/29/23
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	*52.2*		*50.0*		*104*	*50-200*			
Matrix Spike Dup (2313007-MSD1)				**Source: E303099-08**					Prepared: 03/27/23 Analyzed: 03/29/23
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	38-132	1.15	20	
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313009-BLK1)									Prepared: 03/27/23 Analyzed: 03/28/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
LCS (2313009-BS1)									Prepared: 03/27/23 Analyzed: 03/28/23
Diesel Range Organics (C10-C28)	222	25.0	250		88.8	38-132			
Surrogate: n-Nonane	*47.8*		*50.0*		*95.5*	*50-200*			
Matrix Spike (2313009-MS1)				**Source: E303100-08**					Prepared: 03/27/23 Analyzed: 03/28/23
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.3	38-132			
Surrogate: n-Nonane	*44.9*		*50.0*		*89.7*	*50-200*			
Matrix Spike Dup (2313009-MSD1)				**Source: E303100-08**					Prepared: 03/27/23 Analyzed: 03/28/23
Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.8	38-132	5.86	20	
Surrogate: n-Nonane	*44.5*		*50.0*		*89.1*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313026-BLK1)									Prepared: 03/28/23 Analyzed: 03/29/23
Chloride	ND	20.0							
LCS (2313026-BS1)									Prepared: 03/28/23 Analyzed: 03/29/23
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2313026-MS1)				**Source: E303104-21**					Prepared: 03/28/23 Analyzed: 03/29/23
Chloride	272	20.0	250	ND	109	80-120			
Matrix Spike Dup (2313026-MSD1)				**Source: E303104-21**					Prepared: 03/28/23 Analyzed: 03/29/23
Chloride	271	20.0	250	ND	108	80-120	0.477	20	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep 61	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/31/2023 11:10:06AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2313027-BLK1)									Prepared: 03/28/23 Analyzed: 03/28/23
Chloride	ND	20.0							
LCS (2313027-BS1)									Prepared: 03/28/23 Analyzed: 03/28/23
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2313027-MS1)				**Source: E303099-01**					Prepared: 03/28/23 Analyzed: 03/28/23
Chloride	257	20.0	250	ND	103	80-120			
Matrix Spike Dup (2313027-MSD1)				**Source: E303099-01**					Prepared: 03/28/23 Analyzed: 03/28/23
Chloride	256	20.0	250	ND	102	80-120	0.410	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:	Burton Flat Deep 61	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/31/23 11:10

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 | Chain of Custody | Page 1 of 3

Client: Pima Environmental Services	Bill To	Lab Use Only	TAT / EPA Program
Project: Burton Flat Deep 6H	Attention: Devon	Lab WO# E303099	Job Number 01C0556007
Project Manager: Tom Bynum	Address:	1D 2D 3D Standard: X	CWA / SDWA / RCRA
Address: 5614 N. Lovington Hwy.	City, State, Zip	State: NM X	CO UT AZ TX
City, State, Zip Hobbs, NM, 88240	Phone:		
Phone: 580-748-1613	Email:		
Email: tom@pimaoil.com	Pima Project # 278		
Report due by:			

Analysis and Method: DRO/ORO by 8015; GRO/DRO by 8015; BTEX by 8021; VOC by 8260; Metals 6010; Chloride 300.0; BGDOC NM; BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
8:00	3/23/23	S	1	S1-1'	1	X	
8:05				S1-2'	2		
8:10				S1-3'	3		
8:15				S1-4'	4		
8:20				S2-1'	5		
8:25				S2-2'	6		
8:30				S2-3'	7		
8:35				S2-4'	8		
8:40				S3-1'	9		
8:45				S3-2'	10		

Additional Instructions: Billing #: 21112941

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Adriana Benavides

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3-24-23	2:00	Maelli Cuyle	3-24-23	1400
Maelli Cuyle	3-24-23	1730	Lorenzo Lei	3-24-23	1730
Lorenzo Lei	3-24-23	2330		3-25-23	8:00

Lab Use Only — Received on ice: (Y) N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 2 of 3

Client: Pima Environmental Services	Bill To
Project: Burton Flat Deep 61	Attention: Devon
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM. 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 278
Report due by:	

Lab Use Only: Lab WO# E303099 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
8:50	3/23/23	S	1	S3-3'	11	X	
8:55				S3-4'	12		
9:00				S4-1'	13		
9:05				S4-2'	14		
9:10				S4-3'	15		
9:15				S4-4'	16		
9:20				SW1	17		
9:25				SW2	18		
9:30				SW3	19		
9:35				SW4	20		

Additional Instructions: Billing #: 211294/

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Andriana Bernardez

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
AB	3-24-23	2:00	Michelle Campos	3-24-23	1400
Michelle Campos	3-24-23	1730	Lorenzo Lei	3-24-23	1730
Lorenzo Lei	3-24-23	2330		3-25-23	8:00

Lab Use Only — Received on ice: (Y) N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 3 of 3

Client: Pima Environmental Services	Bill To
Project: Burton Flat Deep 61	Attention: Devon
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM. 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 278
Report due by:	

Lab Use Only: Lab WO# E303099 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
9:40	3/23/23	S	1	BG1	21	X	
9:45	↓	↓	↓	SW5	22	X	

Additional Instructions: Billing #: 21129411

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Audriana Benavidez

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
AB	3-24-23	2:00	Mychell Campos	3-24-23	1400
Mychell Campos	3-24-23	1730	Lorenzo Lei	3-24-23	1730
Lorenzo Lei	3-24-23	2330		3-25-23	8:00

Lab Use Only — Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C _____

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 3/25/2023 10:01:40AM

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:	03/25/23 08:00	Work Order ID:	E303099
Phone:	(575) 631-6977	Date Logged In:	03/24/23 17:16	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	03/31/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC 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 non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

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

Date

envirotech Inc.

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:	Burton Flat Deep Unit 61H
Work Order:	E307183
Job Number:	01058-0007
Received:	8/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/2/23

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: 8/2/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Burton Flat Deep Unit 61H
Workorder: E307183
Date Received: 8/1/2023 6:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/1/2023 6:00:00AM, under the Project Name: Burton Flat Deep Unit 61H.

The analytical test results summarized in this report with the Project Name: Burton Flat Deep Unit 61H 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
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Office: 505-632-1881
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Office: 505-632-1881
labadmin@envirotech-inc.com

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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- CS1 Bottoms 5
- CS2 Bottoms 6
- CSW1 7
- CSW2 8
- CSW3 9
- CSW4 10
- CSW5 11

QC Summary Data 12

- QC - Volatile Organic Compounds by EPA 8260B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/02/23 14:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1 Bottoms	E307183-01A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CS2 Bottoms	E307183-02A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW1	E307183-03A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW2	E307183-04A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW3	E307183-05A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW4	E307183-06A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW5	E307183-07A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CS1 Bottoms

E307183-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*94.0 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CS2 Bottoms

E307183-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*94.7 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW1

E307183-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW2

E307183-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW3

E307183-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW4

E307183-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW5

E307183-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*112 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331017-BLK1)									Prepared: 07/31/23 Analyzed: 08/01/23
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: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS (2331017-BS1)									Prepared: 07/31/23 Analyzed: 08/01/23
Benzene	2.84	0.0250	2.50		114	70-130			
Ethylbenzene	2.65	0.0250	2.50		106	70-130			
Toluene	2.75	0.0250	2.50		110	70-130			
o-Xylene	2.79	0.0250	2.50		112	70-130			
p,m-Xylene	5.51	0.0500	5.00		110	70-130			
Total Xylenes	8.30	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.1*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
LCS Dup (2331017-BSD1)									Prepared: 07/31/23 Analyzed: 08/01/23
Benzene	2.76	0.0250	2.50		110	70-130	2.98	23	
Ethylbenzene	2.56	0.0250	2.50		102	70-130	3.66	27	
Toluene	2.67	0.0250	2.50		107	70-130	3.14	24	
o-Xylene	2.76	0.0250	2.50		111	70-130	0.936	27	
p,m-Xylene	5.47	0.0500	5.00		109	70-130	0.702	27	
Total Xylenes	8.23	0.0250	7.50		110	70-130	0.780	27	
Surrogate: Bromofluorobenzene	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331017-BLK1)									Prepared: 07/31/23 Analyzed: 08/01/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS (2331017-BS2)									Prepared: 07/31/23 Analyzed: 08/01/23
Gasoline Range Organics (C6-C10)	63.3	20.0	50.0		127	70-130			
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS Dup (2331017-BSD2)									Prepared: 07/31/23 Analyzed: 08/01/23
Gasoline Range Organics (C6-C10)	64.4	20.0	50.0		129	70-130	1.78	20	
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.8*	*70-130*			
Surrogate: Toluene-d8	*0.526*		*0.500*		*105*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331023-BLK1)									Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.6*		*50.0*		*85.1*	*50-200*			
LCS (2331023-BS1)									Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	216	25.0	250		86.2	38-132			
Surrogate: n-Nonane	*43.4*		*50.0*		*86.8*	*50-200*			
Matrix Spike (2331023-MS1)				**Source: E307184-02**					Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.6	38-132			
Surrogate: n-Nonane	*41.8*		*50.0*		*83.5*	*50-200*			
Matrix Spike Dup (2331023-MSD1)				**Source: E307184-02**					Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.3	38-132	0.412	20	
Surrogate: n-Nonane	*41.2*		*50.0*		*82.3*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331027-BLK1)									Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	ND	20.0							
LCS (2331027-BS1)									Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	261	20.0	250		105	90-110			
Matrix Spike (2331027-MS1)				**Source: E307183-01**					Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	269	20.0	250	ND	108	80-120			
Matrix Spike Dup (2331027-MSD1)				**Source: E307183-01**					Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	259	20.0	250	ND	104	80-120	3.83	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:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/02/23 14:27

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 1

Client: Pima Environmental Services
Project: Burton Flat Deep Unit 6TH
Project Manager: Tom Bynum
Address: 5614 N. Lovington Hwy.
City, State, Zip Hobbs, NM, 88240
Phone: 580-748-1613
Email: tom@pimaoil.com
Report due by:

Bill To
Attention: Devon
Address:
City, State, Zip
Phone:
Email:
Pima Project # 278

Lab Use Only
Lab WO# E307183 | Job Number 01058-0007

TAT: 1D X | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method

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 NM	BGDOC TX	Remarks
8:05	7/29	S		CS1 > Bottoms	1							X		
8:10	"	"		CS2 > "	2							"		
8:15	"	"		CSW1	3							"		
8:20	"	"		CSW2	4							"		
8:25	"	"		CSW3	5							"		
8:30	"	"		CSW4	6							"		
8:35	"	"		CSW5	7							"		

Additional Instructions: Billing # 211294 1

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Lurine Adame	7/31/23	2:00	Michelle Gonzales	7-31-23	1400
Michelle Gonzales	7-31-23	1715	Andrew Mesa	7.31.23	1730
Andrew Mesa	7-31-23	2330	Cartha Mann	8/1/23	6:00

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 8/1/2023 7:15:46AM

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:	08/01/23 06:00	Work Order ID:	E307183
Phone:	(575) 631-6977	Date Logged In:	07/31/23 15:24	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	08/01/23 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC 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 non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

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

Date

envirotech Inc.

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:	Burton Flat Deep Unit 61H
Work Order:	E307183
Job Number:	01058-0007
Received:	8/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/2/23

Date Reported: 8/2/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Burton Flat Deep Unit 61H
Workorder: E307183
Date Received: 8/1/2023 6:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/1/2023 6:00:00AM, under the Project Name: Burton Flat Deep Unit 61H.

The analytical test results summarized in this report with the Project Name: Burton Flat Deep Unit 61H 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
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Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- CS1 Bottoms 5
- CS2 Bottoms 6
- CSW1 7
- CSW2 8
- CSW3 9
- CSW4 10
- CSW5 11

QC Summary Data 12

- QC - Volatile Organic Compounds by EPA 8260B 12
- QC - Nonhalogenated Organics by EPA 8015D - GRO 13
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 14
- QC - Anions by EPA 300.0/9056A 15

Definitions and Notes 16

Chain of Custody etc. 17

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/02/23 14:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1 Bottoms	E307183-01A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CS2 Bottoms	E307183-02A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW1	E307183-03A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW2	E307183-04A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW3	E307183-05A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW4	E307183-06A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.
CSW5	E307183-07A	Soil	07/29/23	08/01/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CS1 Bottoms

E307183-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*94.0 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CS2 Bottoms

E307183-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*94.7 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW1

E307183-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW2

E307183-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW3

E307183-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW4

E307183-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

CSW5

E307183-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Benzene	ND	0.0250	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	07/31/23	08/01/23	
o-Xylene	ND	0.0250	1	07/31/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/31/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2331017
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/23	08/01/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*07/31/23*	*08/01/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/31/23*	*08/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/23	08/01/23	
Surrogate: n-Nonane		*112 %*	*50-200*	*08/01/23*	*08/01/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331017-BLK1)									Prepared: 07/31/23 Analyzed: 08/01/23
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: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS (2331017-BS1)									Prepared: 07/31/23 Analyzed: 08/01/23
Benzene	2.84	0.0250	2.50		114	70-130			
Ethylbenzene	2.65	0.0250	2.50		106	70-130			
Toluene	2.75	0.0250	2.50		110	70-130			
o-Xylene	2.79	0.0250	2.50		112	70-130			
p,m-Xylene	5.51	0.0500	5.00		110	70-130			
Total Xylenes	8.30	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.1*	*70-130*			
Surrogate: Toluene-d8	*0.522*		*0.500*		*104*	*70-130*			
LCS Dup (2331017-BSD1)									Prepared: 07/31/23 Analyzed: 08/01/23
Benzene	2.76	0.0250	2.50		110	70-130	2.98	23	
Ethylbenzene	2.56	0.0250	2.50		102	70-130	3.66	27	
Toluene	2.67	0.0250	2.50		107	70-130	3.14	24	
o-Xylene	2.76	0.0250	2.50		111	70-130	0.936	27	
p,m-Xylene	5.47	0.0500	5.00		109	70-130	0.702	27	
Total Xylenes	8.23	0.0250	7.50		110	70-130	0.780	27	
Surrogate: Bromofluorobenzene	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331017-BLK1)									Prepared: 07/31/23 Analyzed: 08/01/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS (2331017-BS2)									Prepared: 07/31/23 Analyzed: 08/01/23
Gasoline Range Organics (C6-C10)	63.3	20.0	50.0		127	70-130			
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS Dup (2331017-BSD2)									Prepared: 07/31/23 Analyzed: 08/01/23
Gasoline Range Organics (C6-C10)	64.4	20.0	50.0		129	70-130	1.78	20	
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.8*	*70-130*			
Surrogate: Toluene-d8	*0.526*		*0.500*		*105*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331023-BLK1)									Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*42.6*		*50.0*		*85.1*	*50-200*			
LCS (2331023-BS1)									Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	216	25.0	250		86.2	38-132			
Surrogate: n-Nonane	*43.4*		*50.0*		*86.8*	*50-200*			
Matrix Spike (2331023-MS1)				**Source: E307184-02**					Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.6	38-132			
Surrogate: n-Nonane	*41.8*		*50.0*		*83.5*	*50-200*			
Matrix Spike Dup (2331023-MSD1)				**Source: E307184-02**					Prepared: 08/01/23 Analyzed: 08/01/23
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.3	38-132	0.412	20	
Surrogate: n-Nonane	*41.2*		*50.0*		*82.3*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/2/2023 2:27:59PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2331027-BLK1)									Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	ND	20.0							
LCS (2331027-BS1)									Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	261	20.0	250		105	90-110			
Matrix Spike (2331027-MS1)				**Source: E307183-01**					Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	269	20.0	250	ND	108	80-120			
Matrix Spike Dup (2331027-MSD1)				**Source: E307183-01**					Prepared: 08/01/23 Analyzed: 08/01/23
Chloride	259	20.0	250	ND	104	80-120	3.83	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:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/02/23 14:27

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 1

Client: Pima Environmental Services
Project: Burton Flat Deep Unit 6TH
Project Manager: Tom Bynum
Address: 5614 N. Lovington Hwy.
City, State, Zip Hobbs, NM, 88240
Phone: 580-748-1613
Email: tom@pimaoil.com
Report due by:

Bill To
Attention: Devon
Address:
City, State, Zip
Phone:
Email:
Pima Project # 278

Lab Use Only
Lab WO# E307183 | Job Number 01058-0007

TAT: 1D X | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method

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 NM	BGDOC TX			Remarks
8:05	7/29	S		CS1 > Bottoms	1									X				
8:10	"	"		CS2 > "	2									"				
8:15	"	"		CSW1	3									"				
8:20	"	"		CSW2	4									"				
8:25	"	"		CSW3	5									"				
8:30	"	"		CSW4	6									"				
8:35	"	"		CSW5	7									"				

Additional Instructions: Billing # 211294 1

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Lurine Adame	7/31/23	2:00	Michelle Lunyek	7-31-23	1400
Michelle Lunyek	7-31-23	1715	Andrew Mesa	7.31.23	1730
Andrew Mesa	7-31-23	2330	Cartha Mann	8/1/23	6:00

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 8/1/2023 7:15:46AM

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:	08/01/23 06:00	Work Order ID:	E307183
Phone:	(575) 631-6977	Date Logged In:	07/31/23 15:24	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	08/01/23 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC 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 non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

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

Date

envirotech Inc.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 250736
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Dear, Mr. Dale Woodall NMOCD has received your closure report and final C-141 for Incident# NAB1916437520 Burton Flat Deep Unit 61H and this closure is approved. Please reach out if you have further questions. Regards,	8/15/2023