

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	Constituent & Limits						
(Appendix A)	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene		
<50' (High Karst)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg		
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg		
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg		

Reference Figure 2 for a Topographic Map.

Release Information

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									
N	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is $<$ 50')									
		DEVON	ENERGY -BI	JRTON FLAT	T DEEP UN	IT #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		
	1'	ND	ND	ND	ND	ND	0	ND		
S-1	2'	ND	ND	ND	ND	ND	0	ND		
3-1	3'	ND	ND	ND	ND	ND	0	32.6		
	4'	ND	ND	ND	ND	ND	0	ND		
	1'	ND	ND	ND	ND	ND	0	168		
S-2	2'	ND	ND	ND	ND	ND	0	ND		
3-2	3'	ND	ND	ND	ND	ND	0	38.4		
	4'	ND	ND	ND	ND	ND	0	ND		
	1'	ND	ND	ND	ND	ND	0	146		
S-3	2'	ND	ND	ND	ND	ND	0	ND		
3-5	3'	ND	ND	ND	ND	ND	0	38.9		
	4'	ND	ND	ND	ND	ND	0	ND		
	1'	ND	ND	ND	ND	ND	0	ND		
S-4	2'	ND	ND	ND	ND	ND	0	ND		
3-4	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		
					otoctod					

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.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')										
	DEVON ENERGY -BURTON FLAT DEEP UNIT #061H									
	Sample I	Date: 7/29/	2023	NM	Approved	Laboratory F	lesults			
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		

7-29-23 Confirmation Sample Results

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



Figures:

1-Location Map

2-Topographic Map

3-Karst Map

4-Site Map

5-Confirmation Sample Map

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

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Legend

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N

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

Burton Flat Deep Unit #61H

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Carlsbad North

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Avalon

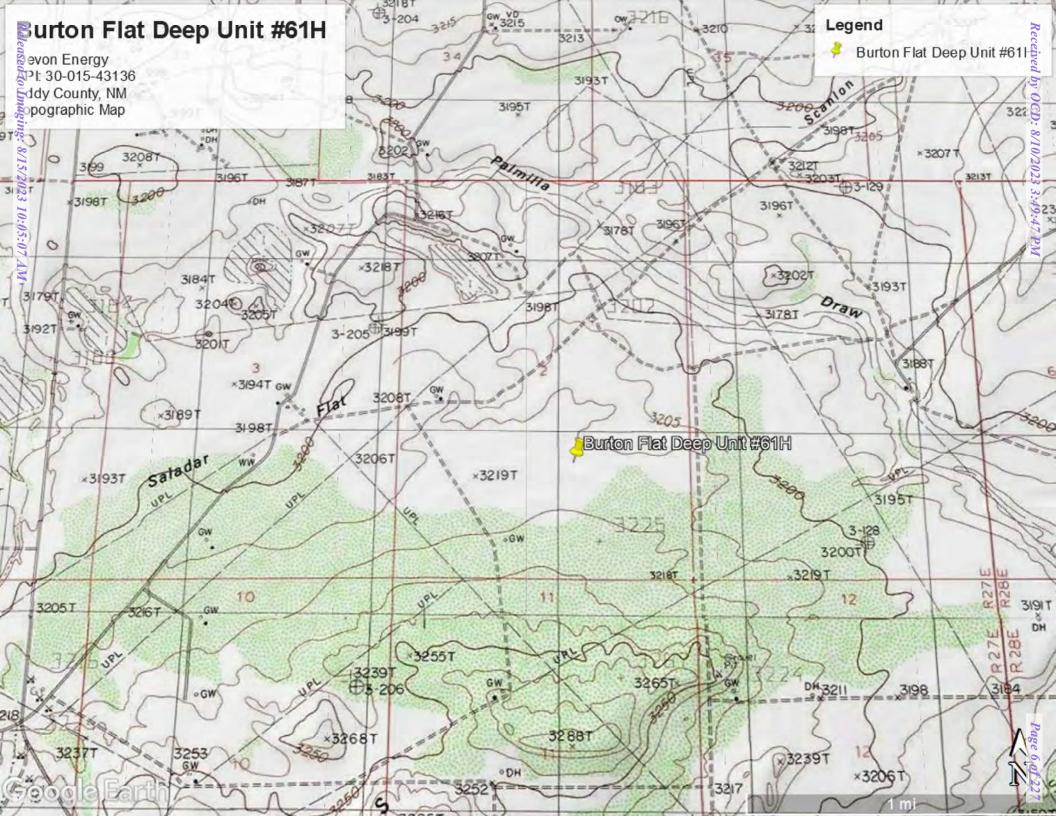
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Happy Valley Carlsbad

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Livingston Wheeler

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Burton Flat Deep Unit #61H

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



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Burton Flat Deep Unit #61H

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Carlsbad North

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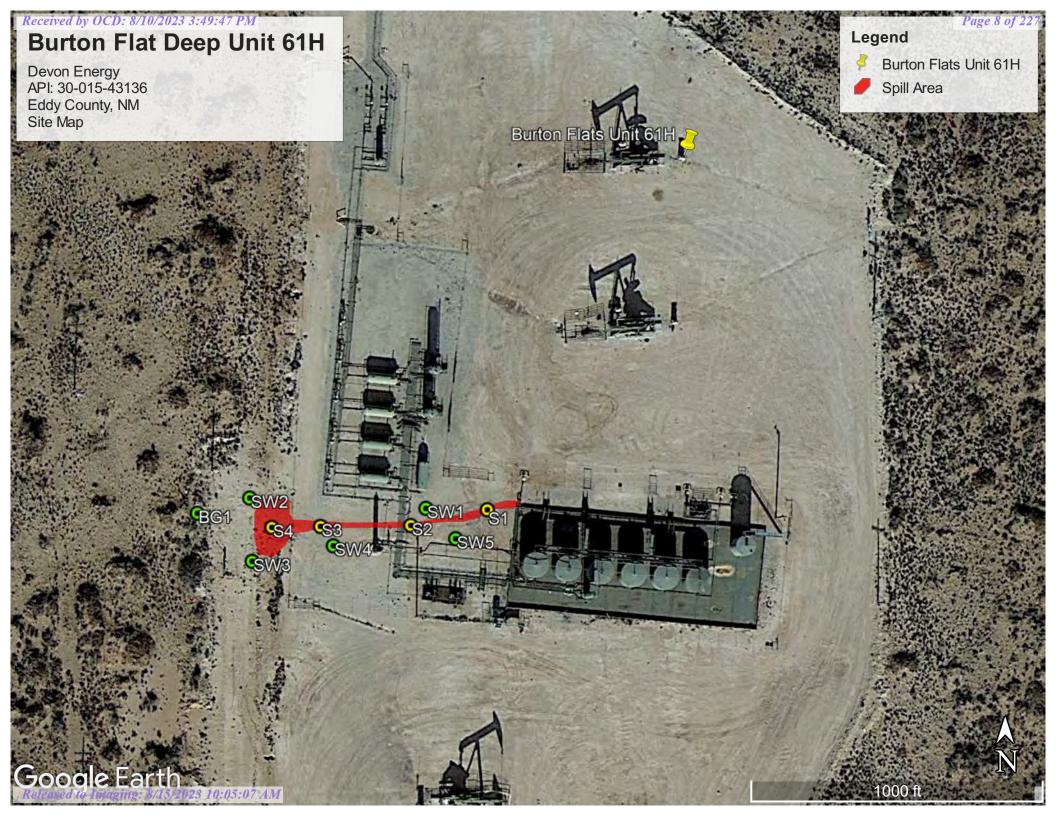
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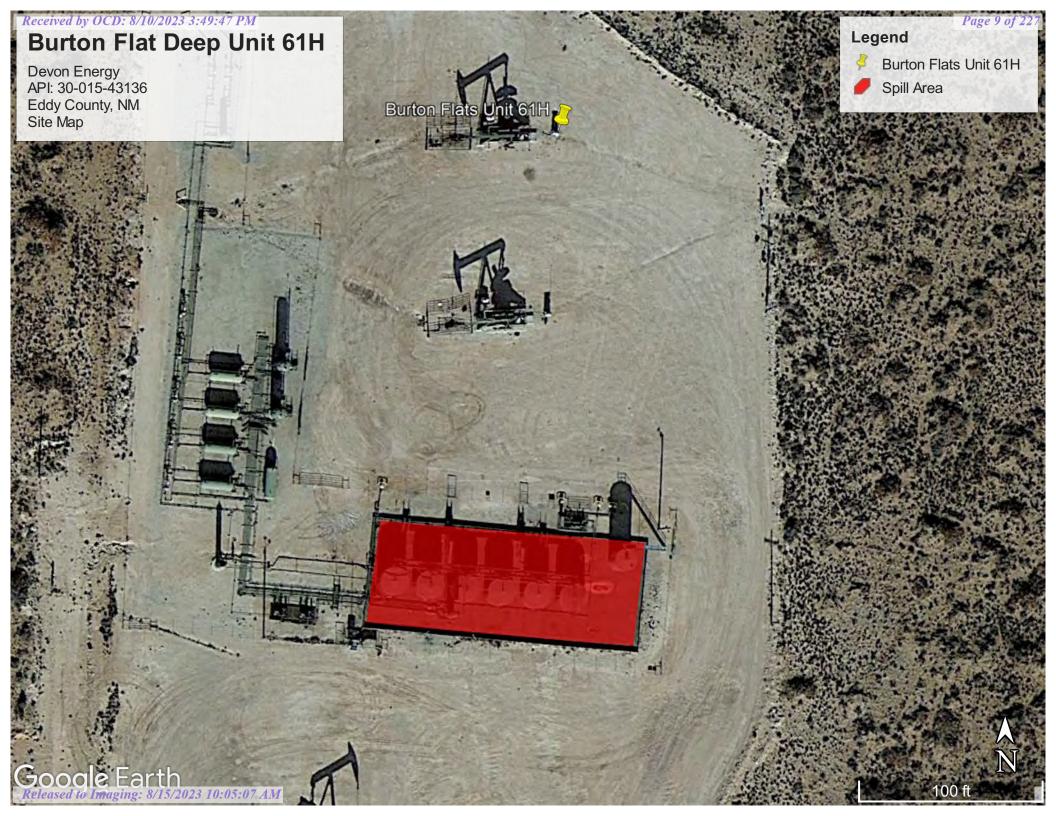
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CSW3 CSW2

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Confirmation Samples/Sidewalls

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Appendix A

Water Surveys: OSE USGS Surface Water Map



New Mexico Office of the State Engineer Water Column/Average Depth to Water

A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a	replaced O=orpha	ined,		(a110#	arc o	ra 1–NI	<i>N 2</i> -NE	3=SW 4=S	E)				
water right file.)	C=the fil closed)	le 1s		`				est to la		AD83 UTM in m	neters)	(In f	eet)	
		POD Sub-		0	Q)							W	Vater
POD Number	Code	basin	County				c Tws	Rng	Х	Y	DistanceDe	pthWellDep		
<u>C 00469</u>	С	CUB	ED		1 ·	4 02	218	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	218	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		
<u>C 02992</u>		С	ED	3	3	2 01	218	27E	580594	3597311* 🌍	1585	250	186	64
<u>C 01142</u>		С	ED	3	1	4 03	218	27E	577358	3596873* 🌍	1684	100		
<u>C 03689 POD1</u>		С	ED	1	1	2 01	218	27E	580490	3598014 🌍	1762	95	10	85
<u>C 03350</u>		С	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
<u>C 02907</u>		С	ED	3	2	1 03	218	27E	576959	3597669* 🌍	2176	52	14	38
C 03690 POD1		С	ED	4	1	4 10	21S	27E	577482	3595179 🌍	2407	200		
<u>C 00465</u>	С	CUB	ED	3	2	1 14	218	27E	578576	3594475* 🌍	2584			
<u>C 00473</u>	С	CUB	ED		3	2 14	218	27E	579087	3594177* 🌍	2841	562		
										Averag	ge Depth to Wat	ter:	38 fee	t
											Minimum De	epth:	8 fee	t
											Maximum De	pth:	186 fee	t
Record Count: 14														
UTMNAD83 Radius	<u>Search (in</u>	<u>meters)</u>	<u>:</u>											
Easting (X): 579	035.95		North	ning	(Y):	35	97018.5	2		Radius: 3000				
*UTM location was derived t	from PLSS	- see Help												

1/25/23 8:50 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

USGS Home Contact USGS Search USGS



National Water Information System: Web Interface

USGS Water Resources	Data Category:	Geographic Area:	
0505 Water Resources	Groundwater	✓ United States	✓ GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

• 323029104103901

Minimum number of levels = 1

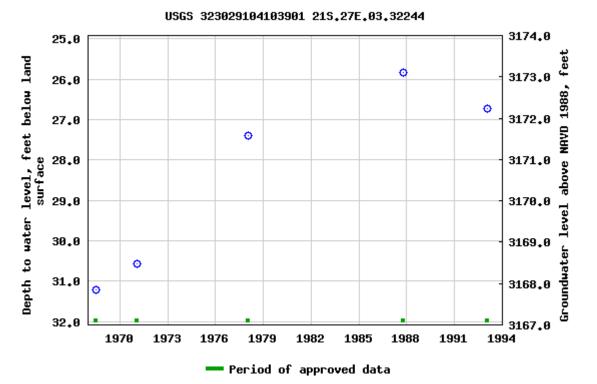
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USGS 323029104103901 21S.27E.03.32244

Available data for this site Groundwater: Field measurements V 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 (N99990THER) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.

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

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U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

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



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



🍰 4.98 Miles

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Burton Flat Deep Unit #61H

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Burton Flat Deep Unit #61H

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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 gualities

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

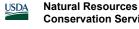
Minor Components

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



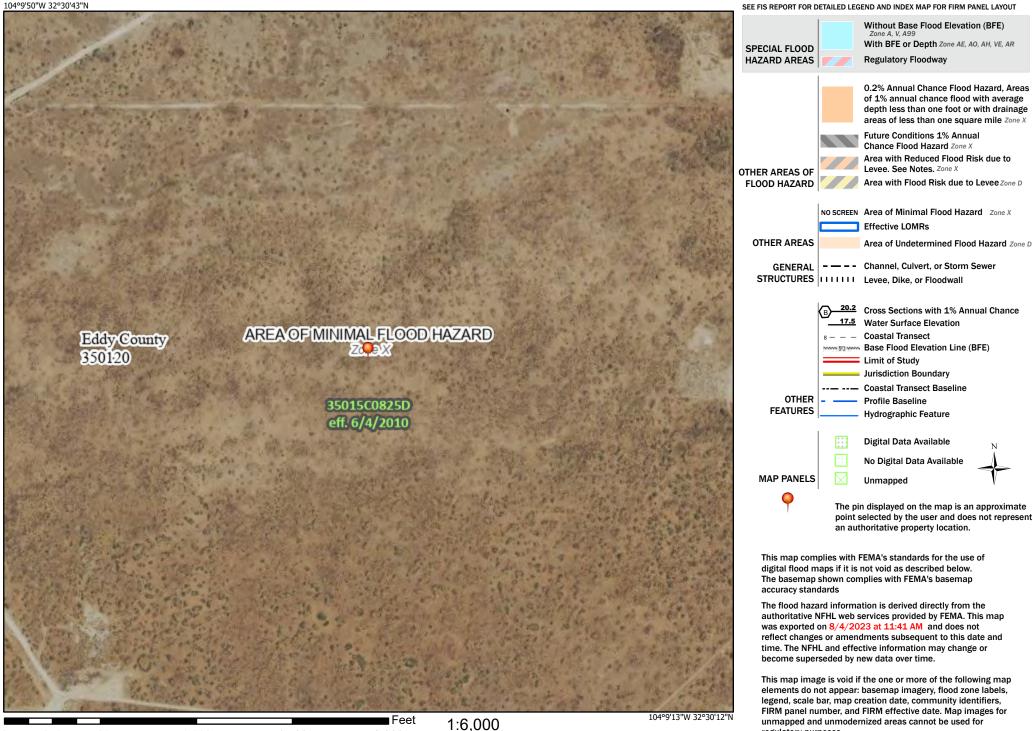
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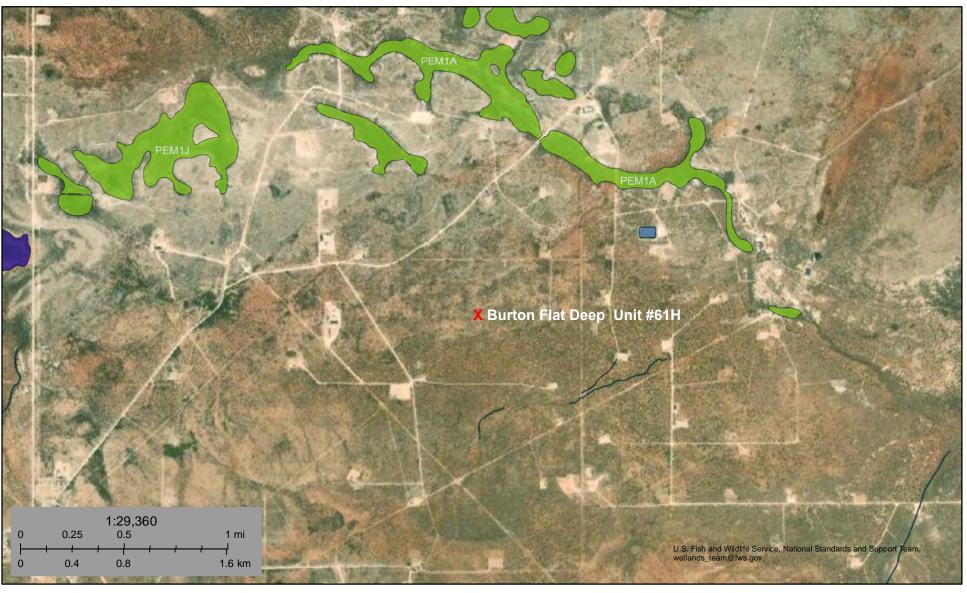


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Basemap Imagery Source: USGS National Map 2023

U.S. Fish and Wildlife Service National Wetlands Inventory

Wetlands Map



March 8, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- **Freshwater Pond**

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

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.



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

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

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

Materia	al(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".							

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Oil Conservation Division

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 n	otice 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	
r milleu maine.			

Signature: Kendra DeHoyos

email: kendra.dehoyos@dvn.com

|--|

Received by: Amalia Bustamante

Title: EHS Associate Date: 6/7/2019

Telephone: 575-748-3371

Date: 6/13/2019

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Oil Conservation Division

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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?	<u><50</u> (ft bgs)
Did this release impact groundwater or surface water?	Yes X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🕅 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 д No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗴 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 📐 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗶 No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes д No
Are the lateral extents of the release overlying an unstable area such as karst geology?	X Yes 🗌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🗴 No
Did the release impact areas 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.

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

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Received by OCD: 8/10/2023	3:49:47 PM State of New Mexico				Page 26 of 222
				Incident ID	NAB1916437520
Page 4	Oil Conservation Division			District RP	
				Facility ID	
				Application ID	
regulations all operators are re public health or the environme failed to adequately investigate addition, OCD acceptance of a and/or regulations. Printed Name: Dale Wo Signature: Dale Wo email: dale.woodall@dv	dall	ifications a OCD does eat to grou f responsib _ Title: _ Date: _	and perform co not relieve the indwater, surfa ility for compl	prrective actions for rele e operator of liability sho ce water, human health liance with any other feo ntal Professional	ases which may endanger ould their operations have or the environment. In
OCD Only					
Received by:			Date:		

Page 6

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) **k** 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



Gio PimaOil <gio@pimaoil.com>

Burton Flat Deep Unit 61H - Liner Inspection

1 message

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

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.



Gio PimaOil <gio@pimaoil.com>

Burton Flat Deep Unit 61H Sampling Confirmation Samples

1 message

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

Wed, Jul 26, 2023 at 10:32 AM

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 Gomex Project Manager

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



Appendix D

Photographic Documentation

LIner Inspection Form



SITE PHOTOGRAPHS DEVON ENERGY BURTON FLAT DEEP UNIT #061H

Liner Inspection









Site Assessment





Excavation







Post Excavation







Liner Inspection Form

Company Name:	Devon Energy		
Site:	Burton Flat Deep Unit 61H		
Lat/Long:	32.30098, -103.6807		
NMOCD Incident ID & Incident Date:	<u>NAB1916437520 & 6/3/201</u>	9	
2-Day Notification Sent:	via Email by Gio Gomez 6/22	2/2023	
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?		Х	
Are there holes in the liner?		Х	
Is the liner retaining any fluids?		Х	
Does the liner have integrity to contain a leak?	Х		

Comments: _____

Inspector Name: <u>Dominick Gonzales</u> Inspector Signature: <u>Dominick Gonzales</u>



Appendix E

Laboratory Reports



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

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: 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

Field Offices:

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227)

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

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

		Sample Sum			
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
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1-1'	E303099-01A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
1-2'	E303099-02A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
1-3'	E303099-03A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
[-4'	E303099-04A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
2-1'	E303099-05A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
2-2'	E303099-06A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
2-3'	E303099-07A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
2-4'	E303099-08A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
3-1'	E303099-09A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
3-2'	E303099-10A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
3-3'	E303099-11A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
3-4'	E303099-12A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
4-1'	E303099-13A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
4-2'	E303099-14A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
4-3'	E303099-15A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
4-4'	E303099-16A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
W1	E303099-17A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
W2	E303099-18A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
W3	E303099-19A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
W4	E303099-20A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
G1	E303099-21A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
W5	E303099-22A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.



		impic D					
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Numbe Project Manage	r: 0105	on Flat Dee 58-0007 Bynum	ep 61			Reported: 3/31/2023 11:10:06AM
		S1-1'					
]	E303099-01					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: R	KS		Batch: 2313010
Benzene	ND	0.0250	1	l	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	l	03/27/23	03/28/23	
Toluene	ND	0.0250	1	l	03/27/23	03/28/23	
p-Xylene	ND	0.0250	1	l	03/27/23	03/28/23	
o,m-Xylene	ND	0.0500	1	l	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	l	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: R	KS		Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	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	1	03/27/23	03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	l	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: B	A		Batch: 2313027
Chloride	ND	20.0	1	l	03/28/23	03/28/23	



	5	ample D	ลเล				
Pima Environmental Services-Carlsbad	Project Name		on Flat Dee				
PO Box 247	Project Numl		58-0007				Reported:
Plains TX, 79355-0247	Project Manager: Tom Bynum						3/31/2023 11:10:06AN
		S1-2'					
		E303099-02					
		Reporting					
Analyte	Result	Limit	Dilut	tion Pr	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	03	3/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	03	3/27/23	03/28/23	
Toluene	ND	0.0250	1	03	3/27/23	03/28/23	
p-Xylene	ND	0.0250	1	03	3/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	03	3/27/23	03/28/23	
Fotal Xylenes	ND	0.0250	1	03	3/27/23	03/28/23	
Surrogate: Bromofluorobenzene		101 %	70-130	03	8/27/23	03/28/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	03	3/27/23	03/28/23	
Surrogate: Toluene-d8		101 %	70-130	03	3/27/23	03/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03	3/27/23	03/28/23	
Surrogate: Bromofluorobenzene		101 %	70-130	03	8/27/23	03/28/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	03	3/27/23	03/28/23	
Surrogate: Toluene-d8		101 %	70-130	03	3/27/23	03/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	ng/kg Analyst: JL			Batch: 2313007	
Diesel Range Organics (C10-C28)	ND	25.0	1	03	3/27/23	03/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	03	3/27/23	03/29/23	
Surrogate: n-Nonane		110 %	50-200	03	3/27/23	03/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	03	3/28/23	03/28/23	



	3	ample D	ลเล				
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Burton Flat Deep 61 Project Number: 01058-0007					Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum			3/31/2023 11:10:06AM	
		S1-3'					
		E303099-03					
		Reporting					
Analyte	Result	Limit	Dilut	tion F	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	0	3/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	0	3/27/23	03/28/23	
Toluene	ND	0.0250	1	C	3/27/23	03/28/23	
p-Xylene	ND	0.0250	1	C	3/27/23	03/28/23	
o,m-Xylene	ND	0.0500	1	C	3/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	C	3/27/23	03/28/23	
Surrogate: Bromofluorobenzene		99.6 %	70-130	6	3/27/23	03/28/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	6	3/27/23	03/28/23	
Surrogate: Toluene-d8		101 %	70-130	6	3/27/23	03/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	C	3/27/23	03/28/23	
Surrogate: Bromofluorobenzene		99.6 %	70-130	6	3/27/23	03/28/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	6	3/27/23	03/28/23	
Surrogate: Toluene-d8		101 %	70-130	6	3/27/23	03/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	C	3/27/23	03/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	0	3/27/23	03/29/23	
Surrogate: n-Nonane		103 %	50-200	6	3/27/23	03/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: BA			Batch: 2313027
Chloride	32.6	20.0	1	0	3/28/23	03/28/23	



	2	sample D	ala				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Num Project Mana	ber: 0103	on Flat Dee 58-0007 Bynum	p 61			Reported: 3/31/2023 11:10:06AM
		S1-4'					
		E303099-04					
		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RKS	5		Batch: 2313010
Benzene	ND	0.0250	1	()3/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	()3/27/23	03/28/23	
Toluene	ND	0.0250	1	()3/27/23	03/28/23	
o-Xylene	ND	0.0250	1	()3/27/23	03/28/23	
o,m-Xylene	ND	0.0500	1	()3/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	()3/27/23	03/28/23	
Surrogate: Bromofluorobenzene		103 %	70-130)3/27/23	03/28/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130)3/27/23	03/28/23	
Surrogate: Toluene-d8		101 %	70-130)3/27/23	03/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	()3/27/23	03/28/23	
Surrogate: Bromofluorobenzene		103 %	70-130)3/27/23	03/28/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130)3/27/23	03/28/23	
Surrogate: Toluene-d8		101 %	70-130)3/27/23	03/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	()3/27/23	03/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	()3/27/23	03/29/23	
Surrogate: n-Nonane		108 %	50-200)3/27/23	03/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	()3/28/23	03/28/23	



		sample D	ala				
Pima Environmental Services-Carlsbad	Project Nam		on Flat Dee	ep 61			D
PO Box 247	•	ject Number: 01058-0007					Reported:
Plains TX, 79355-0247	Project Mana	ager: Iom	Bynum				3/31/2023 11:10:06AM
		S2-1'					
		E303099-05					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2313010
Benzene	ND	0.0250	1	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	1	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	1	03/27/23	03/28/23	
o,m-Xylene	ND	0.0500	1	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	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	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	1	03/27/23	03/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	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	1	03/28/23	03/28/23	



	b	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name		on Flat De	ep 61			
PO Box 247	Project Numl		58-0007				Reported:
Plains TX, 79355-0247	Project Mana	iger: Tom	Bynum				3/31/2023 11:10:06AM
		S2-2'					
		E303099-06					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
o,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	
urrogate: 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	
Dil 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	



	5	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name		on Flat De	ep 61			
PO Box 247	Project Numb		58-0007				Reported:
Plains TX, 79355-0247	Project Mana	iger: Tom	Bynum				3/31/2023 11:10:06AM
		S2-3'					
		E303099-07					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
p-Xylene	ND	0.0250		1	03/27/23	03/28/23	
o,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	
Dil 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	



	Ja	imple D	ata				
Pima Environmental Services-Carlsbad	Project Name:	Burt					
PO Box 247	Project Number		01058-0007				Reported:
Plains TX, 79355-0247	Project Manage	er: Tom			3/31/2023 11:10:06AM		
		S2-4'					
]	E303099-08					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: R	KS		Batch: 2313010
Benzene	ND	0.0250	1	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	1	03/27/23	03/28/23	
p-Xylene	ND	0.0250	1	1	03/27/23	03/28/23	
o,m-Xylene	ND	0.0500	1	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	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	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	1	03/27/23	03/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	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: E	BA		Batch: 2313027
Chloride	ND	20.0	1	1	03/28/23	03/28/23	



	5	ample D	ala			
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Numb		on Flat Deer 58-0007	Reported:		
Plains TX, 79355-0247	Project Mana		Bynum			3/31/2023 11:10:06AN
Tunis 17, 19555 0247	i ioject Midila	igen. Tom	Bynani			5,51,2025 11110100111.
		S3-1'				
		E303099-09				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: 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	
p-Xylene	ND	0.0250	1	03/27/23	03/28/23	
o,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	А	nalyst: 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	ng/kg Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Dil 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	A	nalyst: BA		Batch: 2313027
Chloride	146	20.0	1	03/28/23	03/28/23	



	5	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name		on Flat Dee	ep 61			
PO Box 247	Project Number: 01058-0007						Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom		3/31/2023 11:10:06AM			
		S3-2'					
		E303099-10					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	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	
p-Xylene	ND	0.0250		1	03/27/23	03/28/23	
o,m-Xylene	ND	0.0500		1	03/27/23	03/28/23	
Fotal 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: J	L		Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0		1	03/27/23	03/29/23	
Dil 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: I	BA		Batch: 2313027
Chloride	ND	20.0		1	03/28/23	03/28/23	



	5	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name		on Flat Dee	ep 61			
PO Box 247		Project Number: 01058-0007					Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom		3/31/2023 11:10:06AM			
		S3-3'					
		E303099-11					
		Reporting					
Analyte	Result	Limit	Dilu	ition	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	
o,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:	Л		Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0		1	03/27/23	03/29/23	
Dil 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	



	5	ample D	ata				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Mana	ber: 0105	on Flat Dee 58-0007 Bynum	ep 61			Reported: 3/31/2023 11:10:06AM
		S3-4'					
		E303099-12					
		Reporting					
Analyte	Result	Limit	Dilu	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	0	3/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	0	3/27/23	03/28/23	
Toluene	ND	0.0250	1	0	3/27/23	03/28/23	
p-Xylene	ND	0.0250	1	0	3/27/23	03/28/23	
o,m-Xylene	ND	0.0500	1	0	3/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	0	3/27/23	03/28/23	
Surrogate: Bromofluorobenzene		102 %	70-130	0	3/27/23	03/28/23	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	0	3/27/23	03/28/23	
Surrogate: Toluene-d8		100 %	70-130	0	3/27/23	03/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	0	3/27/23	03/28/23	
Surrogate: Bromofluorobenzene		102 %	70-130	0	3/27/23	03/28/23	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	0	3/27/23	03/28/23	
Surrogate: Toluene-d8		100 %	70-130	0	3/27/23	03/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	0	3/27/23	03/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	0	3/27/23	03/29/23	
Surrogate: n-Nonane		108 %	50-200	0	3/27/23	03/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	0	3/28/23	03/28/23	



	5	ample D	ลเล				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Mana	ber: 0105	on Flat Deo 58-0007 Bynum	ep 61			Reported: 3/31/2023 11:10:06AM
		S4-1'					
		E303099-13					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
°oluene	ND	0.0250		1	03/27/23	03/27/23	
-Xylene	ND	0.0250		1	03/27/23	03/27/23	
,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	
urrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/27/23	03/27/23	
urrogate: 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	
urrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/27/23	03/27/23	
urrogate: 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	
Dil Range Organics (C28-C36)	ND	50.0		1	03/27/23	03/30/23	
urrogate: 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	



	2	sample D	ลเล				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Num Project Mana	ber: 0103	on Flat Deo 58-0007 Bynum	ep 61			Reported: 3/31/2023 11:10:06AM
		S4-2'					
		E303099-14					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
°oluene	ND	0.0250		1	03/27/23	03/28/23	
-Xylene	ND	0.0250		1	03/27/23	03/28/23	
,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	
urrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		03/27/23	03/28/23	
urrogate: 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	
'urrogate: Bromofluorobenzene		103 %	70-130		03/27/23	03/28/23	
urrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		03/27/23	03/28/23	
urrogate: 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	
Dil Range Organics (C28-C36)	ND	50.0		1	03/27/23	03/30/23	
urrogate: 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 D	ata				
Pima Environmental Services-Carlsbad PO Box 247	Project Nam Project Num		on Flat Dee 58-0007	p 61			Reported:
Plains TX, 79355-0247	Project Manager: Tom Bynum						3/31/2023 11:10:06AM
		S4-3'					
		E303099-15					
		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RH	KS		Batch: 2313010
Benzene	ND	0.0250	1		03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1		03/27/23	03/28/23	
Foluene	ND	0.0250	1		03/27/23	03/28/23	
p-Xylene	ND	0.0250	1		03/27/23	03/28/23	
o,m-Xylene	ND	0.0500	1		03/27/23	03/28/23	
Fotal 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	I	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	I	Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1		03/27/23	03/30/23	
Dil 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	I	Analyst: BA	A		Batch: 2313027
Chloride	ND	20.0	1		03/28/23	03/28/23	



	D D	sample D	ala			
Pima Environmental Services-Carlsbad	Project Name		on Flat Deep	0.61		_
PO Box 247	Project Num			Reported:		
Plains TX, 79355-0247	Project Mana	ager: Tom	Bynum			3/31/2023 11:10:06AN
		S4-4'				
		E303099-16				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: 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	
p-Xylene	ND	0.0250	1	03/27/23	03/28/23	
o,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	А	nalyst: 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	А	nalyst: JL		Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/30/23	
Dil 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	А	nalyst: BA		Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	



	Di	ample D	ala				
Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Numbe		on Flat Dee 58-0007	ep 61			Reported:
Plains TX, 79355-0247	Project Manager: Tom Bynum						3/31/2023 11:10:06AM
	, ,	-	2				
		SW1 E303099-17					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: R	KS		Batch: 2313010
Benzene	ND	0.0250	1	l	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	l	03/27/23	03/28/23	
Toluene	ND	0.0250	1	l	03/27/23	03/28/23	
p-Xylene	ND	0.0250	1	l	03/27/23	03/28/23	
o,m-Xylene	ND	0.0500	1	l	03/27/23	03/28/23	
Fotal Xylenes	ND	0.0250	1	l	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	l	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: JI	_		Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	l	03/27/23	03/30/23	
Dil Range Organics (C28-C36)	ND	50.0	1	l	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: B	A		Batch: 2313027
Chloride	ND	20.0	1	1	03/28/23	03/29/23	



	D D	sample D	ala				
Pima Environmental Services-Carlsbad	Project Name		on Flat Dee	ep 61			
PO Box 247	Project Num		58-0007				Reported:
Plains TX, 79355-0247	Project Mana	ager: Tom	Bynum				3/31/2023 11:10:06AN
		SW2					
		E303099-18					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: Rl	KS		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	
o,m-Xylene	ND	0.0500	1		03/27/23	03/28/23	
Fotal 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	1	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	1	Analyst: JL	,		Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1		03/27/23	03/30/23	
Dil 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	1	Analyst: B	A		Batch: 2313027
Chloride	ND	20.0	1		03/28/23	03/29/23	



	5	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name		on Flat De	ep 61			
PO Box 247	Project Numb		58-0007				Reported:
Plains TX, 79355-0247	Project Mana	ger: Tom	Bynum				3/31/2023 11:10:06AM
		SW3					
		E303099-19					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
oluene	ND	0.0250		1	03/27/23	03/28/23	
-Xylene	ND	0.0250		1	03/27/23	03/28/23	
,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	
urrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		03/27/23	03/28/23	
urrogate: 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	
urrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		03/27/23	03/28/23	
urrogate: Toluene-d8		102 %	70-130		03/27/23	03/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0		1	03/27/23	03/30/23	
Dil Range Organics (C28-C36)	ND	50.0		1	03/27/23	03/30/23	
urrogate: 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	



	D.	ample D	ata				
Pima Environmental Services-Carlsbad	Project Name:		on Flat De	ep 61			
PO Box 247	Project Numb		58-0007				Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum				3/31/2023 11:10:06AN
		SW4					
		E303099-20					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
p-Xylene	ND	0.0250		1	03/27/23	03/28/23	
o,m-Xylene	ND	0.0500		1	03/27/23	03/28/23	
Fotal 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	
Dil 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	



	3	ample D	ลเล				
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Numb		on Flat Dee 58-0007	p 61			Reported:
Plains TX, 79355-0247	Project Num Project Mana		Bynum				3/31/2023 11:10:06AM
	Tiojeet Mana	igen. Tom	Byllulli				5/5/1/2025 11:10:00114
		BG1					
		E303099-21					
	D k	Reporting	D'I (· D	,		NI (
Analyte	Result	Limit	Dilut	tion Prep	ared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2313011
Benzene	ND	0.0250	1	03/2	7/23	03/29/23	
Ethylbenzene	ND	0.0250	1	03/2	7/23	03/29/23	
Toluene	ND	0.0250	1	03/2	7/23	03/29/23	
o-Xylene	ND	0.0250	1	03/2	7/23	03/29/23	
o,m-Xylene	ND	0.0500	1	03/2	7/23	03/29/23	
Total Xylenes	ND	0.0250	1	03/2	7/23	03/29/23	
Surrogate: Bromofluorobenzene		87.1 %	70-130	03/2	7/23	03/29/23	
Surrogate: 1,2-Dichloroethane-d4		91.6 %	70-130	03/2	7/23	03/29/23	
urrogate: Toluene-d8		99.9 %	70-130	03/2	7/23	03/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY			Batch: 2313011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/2	7/23	03/29/23	
Surrogate: Bromofluorobenzene		87.1 %	70-130	03/2	7/23	03/29/23	
Surrogate: 1,2-Dichloroethane-d4		91.6 %	70-130	03/2	7/23	03/29/23	
Surrogate: Toluene-d8		99.9 %	70-130	03/2	7/23	03/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: KM			Batch: 2313009
Diesel Range Organics (C10-C28)	ND	25.0	1	03/2	7/23	03/28/23	
Dil Range Organics (C28-C36)	ND	50.0	1	03/2	7/23	03/28/23	
urrogate: n-Nonane		102 %	50-200	03/2	7/23	03/28/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: BA			Batch: 2313026
Chloride	ND	20.0	1	03/2	8/23	03/29/23	



		Sample D	ลเล				
Pima Environmental Services-Carlsbad PO Box 247	Project Nam Project Num		on Flat Dee 58-0007	ep 61			Reported:
Plains TX, 79355-0247	Project Mana		Bynum	3/31/2023 11:10:06AM			
		SW5					
		E303099-22					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: Г	Y		Batch: 2313011
Benzene	ND	0.0250	1	l	03/27/23	03/29/23	
Ethylbenzene	ND	0.0250	1	l	03/27/23	03/29/23	
Toluene	ND	0.0250	1	l	03/27/23	03/29/23	
o-Xylene	ND	0.0250	1	l	03/27/23	03/29/23	
o,m-Xylene	ND	0.0500	1	l	03/27/23	03/29/23	
Fotal Xylenes	ND	0.0250	1	l	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	l	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	
urrogate: Toluene-d8		102 %	70-130		03/27/23	03/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: K	М		Batch: 2313009
Diesel Range Organics (C10-C28)	ND	25.0	1	l	03/27/23	03/28/23	
Dil Range Organics (C28-C36)	ND	50.0	1	l	03/27/23	03/28/23	
urrogate: 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	l	03/28/23	03/29/23	



QC Summary Data

		<u> </u>		ary Dat	а				
Pima Environmental Services-Carlsbad		Project Name:	В	urton Flat Dee	ep 61				Reported:
PO Box 247		Project Number:	01	1058-0007					
Plains TX, 79355-0247		Project Manager:	To	om Bynum				3/2	31/2023 11:10:06AN
		Volatile Organic	Compo	unds by El	PA 82601	B			Analyst: RKS
Ampleto		Reporting	Spike	Source		Rec		RPD	
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2313010-BLK1)							Prepared: 0	3/27/23 Ana	lyzed: 03/27/23
Benzene	ND	0.0250					-		-
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,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: 0	3/27/23 Ana	lyzed: 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			
p-Xylene	2.43	0.0250	2.50		97.1	70-130			
o,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: 0	3/27/23 Ana	lyzed: 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			
p-Xylene	2.34	0.0250	2.50	ND	93.6	43-135			
o,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: 0	3/27/23 Ana	lyzed: 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	
p-Xylene	2.46	0.0250	2.50	ND	98.4	43-135	4.96	27	
o,m-Xylene	4.84	0.0500	5.00	ND	96.8	43-135	6.03	27	
o,m-Aylene	7.20	0.0250	7.50	ND	97.3	43-135	5.66	27	
,m-Ayiene Total Xylenes	7.30	0.0230							
· · · · · · · · · · · · · · · · · · ·	0.519	0.0250	0.500		104	70-130			
Total Xylenes		0.0230							



QC Summary Data

		QC SI		i y Duu					
Pima Environmental Services-Carlsbad		Project Name:	Bı	rton Flat Dee	ep 61				Reported:
PO Box 247		Project Number:	01	058-0007					
Plains TX, 79355-0247		Project Manager:	To	m Bynum				3/.	31/2023 11:10:06AN
		Volatile Organic	Compo	unds by El	PA 82601	3			Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
7 maryte	Result	Ĺimit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2313011-BLK1)							Prepared: 0.	3/27/23 Ana	lyzed: 03/29/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 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: 0.	3/27/23 Ana	lyzed: 03/29/23
Benzene	2.59	0.0250	2.50		104	70-130			•
Ethylbenzene	2.54	0.0250	2.50		101	70-130			
Toluene	2.61	0.0250	2.50		104	70-130			
p-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	0.474		0.500		101	70-130			
Matrix Spike (2313011-MS1)				Source:	E303100-(06	Prepared: 0	3/27/23 Ana	lyzed: 03/29/23
• • •	2.49		2.50				Trepurea. o.	<i>5,2,,25</i> 1 me	ily200. 05/25/25
Benzene	2.48	0.0250	2.50	ND	99.3	48-131			
Ethylbenzene	2.45 2.52	0.0250	2.50	ND	98.0	45-135 48-130			
Toluene	2.52	0.0250	2.50 2.50	ND ND	101 105	48-130 43-135			
p-Xylene	5.03	0.0250	2.30 5.00	ND	105	43-135			
p,m-Xylene Total Xylenes	5.03 7.65	0.0500 0.0250	5.00 7.50	ND	101	43-135			
Total Xylenes		0.0230	0.500	nD.	95.0	70-130			
Surrogate: Bromofluorobenzene	0.475								
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500 0.500		96.3 101	70-130 70-130			
Surrogate: Toluene-d8	0.507		0.500						
Matrix Spike Dup (2313011-MSD1)	2.32	0.0250	2.50		E303100- 92.6	48-131	-		lyzed: 03/29/23
Benzene	2.32	0.0250	2.50 2.50	ND	92.6 92.9	48-131 45-135	6.96 5.28	23 27	
Ethylbenzene	2.32	0.0250	2.50 2.50	ND ND	92.9 95.5	45-135 48-130	5.28 5.46	27 24	
Toluene	2.39	0.0250	2.50	ND	95.5 98.8	48-130	5.46 5.90	24 27	
o-Xylene	2.47 4.77	0.0250	2.50 5.00		98.8 95.3	43-135 43-135	5.90 5.44	27 27	
p,m-Xylene	4.77	0.0500	5.00 7.50	ND ND	95.3 96.5	43-135	5.44 5.59	27	
Total Xylenes		0.0250		мD			5.59	<i>∠1</i>	
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

		QC SI		ary Data	a						
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	(Burton Flat Dee)1058-0007 Fom Bynum	p 61				Reported: 3/31/2023 11:10:06AM		
	N	onhalogenated O	rganics	s by EPA 80	15D - GI	RO		Analyst: RKS			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2313010-BLK1)							Prepared: 0	3/27/23	/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: 0	3/27/23	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- 1	13	Prepared: 0	3/27/23	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- 1	13	Prepared: 0	3/27/23	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

		QC SI	u I I I I I I I	ary Data	1						
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	l	Project Name: Project Number: Project Manager:	(Burton Flat Dee 01058-0007 Tom Bynum	p 61				Reported: 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			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2313011-BLK1)							Prepared: 0)3/27/23 <i>I</i>	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: 0)3/27/23 A	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: 0)3/27/23 A	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: 0)3/27/23 A	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

		QC DI		lary Data	L				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Burton Flat Dee 01058-0007 Tom Bynum	p 61				Reported: 3/31/2023 11:10:06AM
	Nonh	alogenated Orga	anics b	y EPA 8015E	- DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2313007-BLK1)							Prepared: 0	3/27/23 A	Analyzed: 03/29/23
Diesel Range Organics (C10-C28)	ND	25.0							· ·
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	61.9		50.0		124	50-200			
LCS (2313007-BS1)							Prepared: 0	3/27/23 A	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: 0	3/27/23 A	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: 0	3/27/23 A	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

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Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Burton Flat Dee 01058-0007 Tom Bynum	p 61				Reported: 3/31/2023 11:10:06AM
	Nonh	alogenated Org	anics b	y EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2313009-BLK1)							Prepared: 0	3/27/23 A	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: 0	3/27/23 A	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: 0	3/27/23 A	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: 0	3/27/23 A	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

		QU N	u 111 111	ary Dat						
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Burton Flat Dee 01058-0007 Tom Bynum	p 61				Report 3/31/2023 11	
		Anions	by EPA	300.0/9056A	•				Analyst: E	BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %		tes
Blank (2313026-BLK1)	ND	20.0					Prepared: 0	3/28/23	Analyzed: 03/	29/23
LCS (2313026-BS1)		20.0					Prepared: 0	3/28/23	Analyzed: 03/	29/23
Chloride Matrix Spike (2313026-MS1)	259	20.0	250	Source:	104 E303104-2	90-110 21	Prepared: 0	3/28/23	Analyzed: 03/	29/23
Chloride	272	20.0	250	ND	109	80-120				
Matrix Spike Dup (2313026-MSD1)				Source:	E303104-2	21	Prepared: 0	3/28/23	Analyzed: 03/	29/23
Chloride	271	20.0	250	ND	108	80-120	0.477	20		



QC Summary Data

		$\mathbf{x} \mathbf{v} \mathbf{v}$							
Pima Environmental Services-Carlsbac PO Box 247 Plains TX, 79355-0247	1	Project Name: Project Number: Project Manager		Burton Flat Dee 01058-0007 Tom Bynum	ep 61				Reported: 3/31/2023 11:10:06AM
		Anions	by EPA	300.0/9056A	۸				Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2313027-BLK1)							Prepared: 0	3/28/23	Analyzed: 03/28/23
Chloride	ND	20.0							
LCS (2313027-BS1)							Prepared: 0	3/28/23	Analyzed: 03/28/23
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2313027-MS1)				Source:	E303099-(01	Prepared: 0	3/28/23	Analyzed: 03/28/23
Chloride	257	20.0	250	ND	103	80-120			
Matrix Spike Dup (2313027-MSD1)				Source:	E303099-(01	Prepared: 0	3/28/23	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.



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
1.12	many to rist BETECTED at of accite and reporting minit

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.



nt: Pima Environmental Services Atte	щто	Lab	WO#		Use O	nly Num	her	1D		TAT	EPA Program
ject Manager: Tom Bynum Addu		Eab	2726	-pc	10	INTER	5000-		20 00	X	
Iress: 56 14 N. Lovington Hwy. City,		- Lorr C	m	2.	Ana	lysis a	nd Metho	d			RCRA
, State, Zip Hobbs, NM, 88240 Pho		-								1	State
one: 580-748-1613 Ema		8015	8015	3	11-	0		1		NMI CO	UT AZ TX
port due by:	278	â	Vd O	8021	010	300.		MN	¥	X	
ime Date Matrix No. of Containers Sample ID	Lab Numbe	DRO/ORO	GRO/DRO by	BTEX by 8021	Metals 6010	Chloride 300.0		BGDOC	BGDOC		Remarks
.00 3/23/23 S 1 SI-1'	I.							X			
05 1 1 1 SI-2'	2							1			
10 51-3'	3										
15 SI-4'	4										
20 S2·1'	5										-0
25 SZ-2'	6										
30 S2-3'	T										
35 S2-4'	8										
40 S3.1'	9										
45 S3-2	10							4	1		
ditional Instructions:		14	/							e serviced on ion the da	y they are sampled or recei
Id sampler), attest to the validity and authenticity of this sample. I am aware the or collection is considered fraud and may be grounds for legal action.		ple loçati		1	pacl	ked in ice	at an avg ten	np above	0 but less th	nan 6 °C on subsequent	days.
AB 3.2428 2:00	Cupple Date 3-24	+-23	Time 14	00	Re	ceive	d on ice:		ab Use	Only	10
Mullu Lung J.24-23 Time 1730	ture) Date	1-27	Time 17 Time	30		<u>h</u>		<u>T2</u>		<u></u>	
Laure Lei Date 3-24-23 Z330	3.25	23	8	:00	A	/G Ter	np °C	4	-turker and	1. <u>.</u>	1
ole Matrix: S { Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other e: Samples are discarded 30 days after results are reported unless othe	Contain	ner Typ	e:g-g	lass/p	- poly/	plastic	, ag - aml	ber gla	ass, v - vu	JA	ashraic of the shows

lient P	ima Env	ironmen	tal Servi	res	1	T	Bill To		P		Lal) Use	e Onl	V		1		TAT	6		ege _2 EPA Pr	ogram
Project: F	Burton H	Flat 1	eep (Attent		Bill To		Lab V	NO#		J	Job N	umbe	r		2D	3D	Standa	rd	CWA	SDWA
Project N	lan ager:	Tom By	num		Addre				E3	03	09	20	010	38.0	200-	ł			- X	-		RCRA
	56 14 N. e, Zip He				City, S Phone	tate, Zip			-r				Analys	is and	Metho			T	-	F		- Heru I
hone: 5	580-748-	1613			Email				8015	8015					11						State	
	tom@pin	naoil.com	n		Pima	a Project #	170			by 80	021	60	10	0.00		WW	¥		NM	CO	UT AZ	IX
Report du	Date		No. of		1 1110	i i i oječit il	L10	Lab	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0					A		Remarks	
Sampled	Sampled	Matrix	Containers	Sample ID				Number	DRO	GRO	BTE	VOC	Met	Chlo	-	BGDOC	BGDOC	-	_		Ternarks	
8150	3/23/23	8		S3-3'				11								X			1			
8:55	1	1	1	53-4'				12								1						
7:00				84-1'				13								1		-				
7:05				54-2'				14						-		1						
V				374											-	++-						
7:10				54.3				15				-	_			++-	-					
7:15				54.4'				16	-					-			-		_			
7:20			-	SW1				T						-		11	-					_
9:25				SW2				18														
7:30				SW/3				19														
7:35	-	-	×	SW4				20								-						
Additiona	al Instruc	tions:	3	Ri	lina	#:	211129	41														
(field samp	ler), attest to	the validity	and authent						e locatio	n	0		Sample packed	s requirir in ice at	ng thermal an avg ten	preserva	ation mu 0 but le	ist be rec ss than 6	eived on ice °C on subse	the day t quent day	ney are samp s.	oled or receiv
	d by: (Signa		Date	Time	R	eceived by: (Sig		Date		Time(1.	-	(- 1		I	ab U	se On				
A	B			4.23 2:00		Miglele	anjed	5-24-	25		100		Rece	ived o	on ice:	0	Y N	k ^a				
Mi Cu	d by: (Signa	ture)	Date	24-23 Time	30	eceived by: (Sig		Date 324-2	3	Time 17	30	-	T1	4 .		T2	-	2.1	<u>T3</u>			
	d by: (Signa	ature)	Date	24-23 Z3	2	eceived by Sig	gnature	Date	2	Time	· ~				0-	4		1 4 2				
-f-	ensi	fly		queous, 0 - Other_	50	um	and	3.25			C		AVG	Temp	g - aml	per gla	iss, v -	VOA		1.200		
lote: Samp	les are disc	arded 30 d	ays after re	sults are reported u	nless other a	arrangements a	are made. Hazardou ability of the laborato	s samples will	be ret	urned	to clie	ent or	dispo	sed of a	at the cli	entex	pense.	The r	eport for t	the ana	lysis of the	e above

Project	Information
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Page <u>3</u> of <u>3</u> of <u>by</u>

			al Servic		Attention: Devou				La	ab Us			-			TAT			rogram
	Burton !						Lab	WO#	-	\sim	Job I	Number		1D	2D	3D	Standard	CWA	SDWA
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	5614 N.				City, State, Zip		_				Analy	sis and N	ethod	-			-		RCRA
ity, Stat	e, Zip Ho	bbs, NA	1. 88240		Phone:			1.0		1									
	580-748-				Email:		15	15			. /							State	1
mail:	tom@pin	naoil.con	n				y 80	y 80	H	0		0.0		Σ			NM CO	UT AZ	TX
eport d	ue by:				Pima Project # 278		ROb	ROb	/ 802	826	6010	e 30		NIN :	4		XI		
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	BGDOC			Remarks	
-40	3/23/23	S	1	RGI		21								N					
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				1.0		1943													
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field come	lor) attact to	thoughdity	and authorit		I am aware that tampering with or intentignally mis		alocati	00			Sampl	es requiring t	hermal p	reserva	tion mu	ist be rece	ived on ice the da	y they are sam	pled or received
				hay be grounds for le		and Ben	mo	UR	_		packed	l in ice at an i	avg temp	above	0 but les	ss than 6 °	C on subsequent	days.	
COMMENTS AND A	ed by: (Signa	and the second second	Date	Time	Received by: (Signature)	Date	5.	Time				1		L	ab Us	se Only	Y		
	AR		3.2	24-23 2:	00 modell Curren	6 3-24.	23	14	toc		Rec	eived on	ice:	(Y	YN	1.0			
	ed by: (Signa	ture)	Date	Time	Received by: (Signature)	Date 3-24-		Time	30		187)			C	-				
Mich	ull a	ux_	- 10	14-23 17	30 Torenzo Ten	5-24-1	9	(1.	50	1	T1	and los		<u>T2</u>		Carlo -	<u>T3</u>		
elinguishe	ed by: (Signa	ture)	Date	Time	Reseived by: (Signature)	Date		Time		~	15	1.1.1			1	2 2 8			1
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mple Matr	ix - Soil) Sd	- Solid, Sg - S	Sludge, A - A	queous, O - Other		Containe	r Type	2.g-9	glass,	p-p	oly/p	lastic, ag	- ambe	er gla	ss, v -	VOA			
ote: Samp	oles are disc	arded 30 da	ays after res	sults are reported	unless other arrangements are made. Hazar	dous samples will	be re	turned	l to cli	ient or	r dispo	sed of at 1	he clier	nt exp	ense.	The re	port for the a	nalysis of th	e above
mplesis	applicable of	nly to those	e samples re	eceived by the lab	oratory with this COC. The liability of the labo	ratory is limited t	o the a	amoun	nt paid	for o	n the								
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											:					Real Provide	rot		C
										4	2	No.							

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

	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)		
<u>Chain o</u>	<u>f Custody (COC)</u>					
1. Does	the sample ID match the COC?		Yes			
2. Does f	the number of samples per sampling site location mate	ch the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Couri	ier	
4. Was tl	he COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes		_	
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		Yes		Commen	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>					
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample	temperature: <u>4°</u>	<u>C</u>			
Sample	<u>Container</u>					
14. Are :	aqueous VOC samples present?		No			
15. Are `	VOC samples collected in VOA Vials?		NA			
16 Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
10. 13 (11)						
	a trip blank (TB) included for VOC analyses?		NA			
17. Was	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?		NA Yes			
17. Was 18. Are 1						
17. Was 18. Are 1	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample contain		Yes			
 17. Was 18. Are 1 19. Is the Field La 20. Were 	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample contain abel e field sample labels filled out with the minimum info	ers collected?	Yes Yes			
 Was Are 1 Are 1 Is the Field La Were 	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample contain abel e field sample labels filled out with the minimum infor Sample ID?	ers collected?	Yes Yes Yes			
17. Was 18. Are 1 19. Is the Field La 20. Were S	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample contain abel e field sample labels filled out with the minimum info Sample ID? Date/Time Collected?	ers collected?	Yes Yes Yes Yes			
17. Was 18. Are 1 19. Is the Field La 20. Were S	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample contain abel e field sample labels filled out with the minimum info Sample ID? Date/Time Collected? Collectors name?	ers collected?	Yes Yes Yes			
17. Was 18. Are n 19. Is the Field La 20. Were S I (Sample	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample contain abel e field sample labels filled out with the minimum info Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	ers collected?	Yes Yes Yes No			
17. Was 18. Are 1 19. Is the Field La 20. Were S I C Sample 21. Does	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample contain the e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were pro-	ers collected?	Yes Yes Yes No No			
17. Was 18. Are n 19. Is the Field La 20. Were Sample 21. Does 22. Are s	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample contain thel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were pre- sample(s) correctly preserved?	ers collected? rmation: eserved?	Yes Yes Yes No No NA			
17. Was 18. Are n 19. Is the Field La 20. Were 20. Were 21. Does 22. Are s 24. Is lat	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample contain abel e field sample labels filled out with the minimum info Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were pre- sample(s) correctly preserved? b filteration required and/or requested for dissolved m	ers collected? rmation: eserved?	Yes Yes Yes No No			
17. Was 18. Are 1 19. Is the Field La 20. Were 20. Were 21. Does 22. Are s 24. Is lat Multiph	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample contain abel e field sample labels filled out with the minimum info Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were pre- sample(s) correctly preserved? b filteration required and/or requested for dissolved m mase Sample Matrix	ers collected? rmation: eserved? etals?	Yes Yes Yes No No NA No			
17. Was 18. Are 1 19. Is the Field La 20. Were 20. Were 21. Does 22. Are s 24. Is lat Multiph 26. Does	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample contain abel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were pre- sample(s) correctly preserved? b filteration required and/or requested for dissolved m nase Sample Matrix s the sample have more than one phase, i.e., multiphas	ers collected? rmation: eserved? etals? e?	Yes Yes Yes No No NA No			
17. Was 18. Are 1 19. Is the Field La 20. Were 21. Does 22. Are s 24. Is lat Multiph 26. Does 27. If ye:	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample contain abel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were pre- sample(s) correctly preserved? b filteration required and/or requested for dissolved m mase Sample Matrix s the sample have more than one phase, i.e., multiphas s, does the COC specify which phase(s) is to be analy	ers collected? rmation: eserved? etals? e?	Yes Yes Yes No No NA No			
17. Was 18. Are 1 19. Is the Field La 20. Were 20. Were 21. Does 22. Are 5 24. Is lat Multiph 26. Does 27. If ye:	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample contain abel e field sample labels filled out with the minimum info Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were pre- sample(s) correctly preserved? b filteration required and/or requested for dissolved m tase Sample Matrix s the sample have more than one phase, i.e., multiphas s, does the COC specify which phase(s) is to be analy tract Laboratory	ers collected? rmation: eserved? etals? e? zed?	Yes Yes Yes No No No No No			
17. Was 18. Are n 19. Is the Field La 20. Were 20. Were 21. Does 22. Are s 24. Is lat Multiph 26. Does 27. If yes Subcont 28. Are s	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample contain abel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were pre- sample(s) correctly preserved? b filteration required and/or requested for dissolved m mase Sample Matrix s the sample have more than one phase, i.e., multiphas s, does the COC specify which phase(s) is to be analy	ers collected? rmation: eserved? etals? e? zed? y?	Yes Yes Yes No No NA No	Subcontract Lab: N4		

Date

envirotech Inc.

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

Released to Imaging: 8/15/2023 10:05:07 AM



5796 U.S. Hwy 64 Farmington, NM 87401

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





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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.

Raina Schwanz

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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CSW2

CSW3

CSW4

CSW5

Received by OCD: 8/10/2023 3:49:43	7 PM				Page	e 81 of 227
		Sample Sum	mary			
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	Burton Flat Deep U 01058-0007 Tom Bynum	Jnit 61H	Reported: 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.	

Soil

Soil

Soil

Soil

E307183-04A

E307183-05A

E307183-06A

E307183-07A

07/29/23

07/29/23

07/29/23

07/29/23

08/01/23

08/01/23

08/01/23

08/01/23

Glass Jar, 2 oz.

Glass Jar, 2 oz. Glass Jar, 2 oz.

Glass Jar, 2 oz.



envirotech Inc.

	N	ampic D				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Mana	ber: 0103	ton Flat Deep 58-0007 1 Bynum	Unit 61H		Reported: 8/2/2023 2:27:59PM
,	•	 CS1 Bottoms				
		E307183-01				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	A	nalyst: 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	A	nalyst: 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	A	nalyst: BA		Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	



	~	ampic D					
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Numb		on Flat De 58-0007	ep Unit	61H		Reported:
Plains TX, 79355-0247	Project Manag		Bynum				8/2/2023 2:27:59PM
	(CS2 Bottoms					
		E307183-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
foluene	ND	0.0250		1	07/31/23	08/01/23	
o-Xylene	ND	0.0250		1	07/31/23	08/01/23	
o,m-Xylene	ND	0.0500		1	07/31/23	08/01/23	
Fotal 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	
Dil 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	



	r.	bample D	uta				
Pima Environmental Services-Carlsbad	Project Name	e: Burt	on Flat De	ep Unit	61H		
PO Box 247	Project Num		58-0007				Reported:
Plains TX, 79355-0247	Project Mana	ager: Tom	Bynum				8/2/2023 2:27:59PM
		CSW1					
		E307183-03					
		Reporting					
Analyte	Result	Limit	Dilu	ution	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	
p-Xylene	ND	0.0250		1	07/31/23	08/01/23	
o,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		<i>98.3</i> %	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	
Dil 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	



	~	bample D	uu				
Pima Environmental Services-Carlsbad	Project Name	e: Burt	on Flat De	ep Unit	61H		
PO Box 247	Project Num		58-0007		Reported:		
Plains TX, 79355-0247	Project Mana	ager: Tom	Bynum	8/2/2023 2:27:59PM			
		CSW2					
		E307183-04					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
p-Xylene	ND	0.0250		1	07/31/23	08/01/23	
o,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	
Dil 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	



	D	ampic D	uu				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Manag	er: 0105	on Flat De 58-0007 Bynum	ep Unit	61H		Reported: 8/2/2023 2:27:59PM
		CSW3					
		E307183-05					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
p-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	
Dil 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	



		ample D	uu				
Pima Environmental Services-Carlsbad	Project Name		on Flat De	ep Unit	61H		
PO Box 247	Project Num		58-0007	Reported:			
Plains TX, 79355-0247	Project Mana	ager: Tom	Bynum	8/2/2023 2:27:59PM			
		CSW4					
		E307183-06					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
p-Xylene	ND	0.0250		1	07/31/23	08/01/23	
o,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	
Dil 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	



	r.	ample D	utu				
Pima Environmental Services-Carlsbad	Project Name		on Flat Dee	ep Unit (51H		
PO Box 247	Project Num		58-0007		Reported:		
Plains TX, 79355-0247	Project Mana	ager: Tom	Bynum	8/2/2023 2:27:59PM			
		CSW5					
		E307183-07					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2331017
Benzene	ND	0.0250	1	1	07/31/23	08/01/23	
Ethylbenzene	ND	0.0250	1	1	07/31/23	08/01/23	
Toluene	ND	0.0250	1	1	07/31/23	08/01/23	
p-Xylene	ND	0.0250	1	1	07/31/23	08/01/23	
o,m-Xylene	ND	0.0500	1	1	07/31/23	08/01/23	
Fotal Xylenes	ND	0.0250	1	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	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	1	08/01/23	08/01/23	
Dil Range Organics (C28-C36)	ND	50.0	1	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	1	08/01/23	08/01/23	



QC Summary Data

		QC DI	-	- ,	-				
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		urton Flat Dee 1058-0007	p Unit 61H				Reported:
Plains TX, 79355-0247		Project Manager:	To	om Bynum				8/2/2023 2:27:59PM	
	,	Volatile Organic	Compo	unds by EP	A 8260B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2331017-BLK1)							Prepared: 07	7/31/23 A	nalyzed: 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	7/31/23 A	nalyzed: 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			
p-Xylene	2.79	0.0250	2.50		112	70-130			
o,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	7/31/23 A	nalyzed: 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	
p-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			



QC Summary Data

		QC BI		ial y Data	a				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Burton Flat Dee 01058-0007 Tom Bynum	p Unit 61H	ĺ			Reported: 8/2/2023 2:27:59PM
	No	onhalogenated O	rganic	s by EPA 801	15D - GF	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2331017-BLK1)							Prepared: 0	7/31/23 A	nalyzed: 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: 0	7/31/23 A	nalyzed: 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: 0	7/31/23 A	nalyzed: 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

		QC DI	u	ial y Data	а				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Burton Flat Dee 01058-0007 Tom Bynum	p Unit 61	H			Reported: 8/2/2023 2:27:59PM
	Nonh	alogenated Orga	anics b	y EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2331023-BLK1)							Prepared: 0	8/01/23 A	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: 0	8/01/23 A	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: 0	8/01/23 A	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: 0	8/01/23 A	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

		QU N	M 11111		•				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Burton Flat Dee 01058-0007 Tom Bynum	p Unit 61H	I			Reported: 8/2/2023 2:27:59PM
		Anions	by EPA	A 300.0/9056A	1				Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2331027-BLK1)							Prepared: 0	8/01/23	Analyzed: 08/01/23
Chloride	ND	20.0							
LCS (2331027-BS1)							Prepared: 0	8/01/23	Analyzed: 08/01/23
Chloride	261	20.0	250		105	90-110			
Matrix Spike (2331027-MS1)				Source:	E307183-()1	Prepared: 0	8/01/23	Analyzed: 08/01/23
Chloride	269	20.0	250	ND	108	80-120			
Matrix Spike Dup (2331027-MSD1)				Source:	E307183-()1	Prepared: 0	8/01/23	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

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

ND	Analyte NOT DETECTED at or above the reporting limit
1.2	maryte no i bbilbe ibb at of acove are reporting initi

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.



Page of

lient: Pi	ma Envi	ronment Flat 1	al Servic	nit 61H	Att	ention: Devon		Lab WO# E 307(83			b Usi	e On Job I	ly Numi	ver	TAT 1D 2D 3D X				ndard	EPA P CWA	SDW
roject M	anager:	Tom By	num		Ad	dress:			307	18-				d Metho			L		Caller Paraula		RCR
			on Hwy. 1. 88240			y, State, Zip one:				-	Ť	Analy	sis an		T	1	1				
	80-748-		<u>n, 00240</u>		1 Martines	nail:		315	SE						+					State	TTVI
	om@pin	naoil.con	n		Р	ima Project # 278		DRO/ORO by 8015	GRO/DRO by 8015	3021	260	010	Chloride 300.0		WN	¥		1 8	NM CO	UT AZ	
Time	Date		No. of	1	Kana .		Lab	o/orc)/DRC	BTEX by 8021	VOC by 8260	Metals 6010	oride		BGDOC	BGDOC			<u></u>	Remarks	
Sampled	Sampled	Matrix	Containers	Sample ID			Number	DRC	GRC	BTE	Ň	Me	ĊPĪ		BG	BGC	-				
8:05	7/29	5		CS	11	Bottoms									X						
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8:20				csu			4														
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8:25		- 14		CSU	25		5						-	-		-	-	+			
8:30							10				100										
8:35	1		1	CSU	10		7								P.						
0:55		-		CSU	05		a distanti and a state of the s		-	-	-	-	+	++	+	-	+				
	G										1		-		-	-	-	1.5			
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	-				-194				1	1	1	-	1		-	1					
									1	1		_	-		1	-	-	4			
Addition	al Instrue	tions:				Billing # 21112	941													_	
						re that tampering with or intentionally mi	slabelling the samp	le locat	tion,			Sam	ples req	ulring therm e at an avg to	al preser	vation ve 0 but	must be less that	received o an 6 °C on	on ice the day subsequent o	they are sam lays.	pled or rec
date or time	of collection	is considere	ed fraud and	may be ground	is for legal actio				-	e	-	1987	e alerada	A	Ar St. St.	Lab	Use (Only	Strate State		
Relinquish	ed by: (Sign MP. Al	ature)	7	131 23	2:00	Michel Curre	le 7-3	1-23	11	41	00	Re	ceive	ed on ice	÷ () /	N				
Relinquish	ed by: (Sign	ature)	Date	e	Time 1715	Received by: (Signature)	Date	1.2	2 Time		30				-				73		
Relinquich	ed by: (Sigr	ature	Dat		Time	Received by (Signature)	Date /	1	Tim		20		C i i		- 4				<u></u>		
, Jahn	PW	Mis	5 7	31-22	233	attallas	~ 8/11	23	4	o:(D			mp °C_	4			1797 (Alle)			
Sample Mat	rix: S - Soil, S	id - Solid, Sg	- Sludge, A -	Aqueous, O - C	ther	other arrangements are made. Haza	Contain	er Typ	be: g-	- glas	s, p -	poly/	plasti	ic, ag - ar	nber g	lass,	v - VC	A			

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Pima Environmental Services-Carlsbad D	ate Received:	08/01/23	06:00	Work Order ID:	E307183
Phone:	(575) 631-6977 D	ate Logged In:	07/31/23	15:24	Logged In By:	Caitlin Mars
Email:		ue Date:	08/01/23	17:00 (0 day TAT)		
Chain o	f Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	1 analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample	Turn Around Time (TAT)					
	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	•					
	sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
2	the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re		Yes			
	minutes of sampling					
13. If no	visible ice, record the temperature. Actual sample tem	mperature: <u>4°</u>	<u>C</u>			
<u>Sample</u>	<u>Container</u>					
14. Are a	aqueous VOC samples present?		No			
15. Are '	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are 1	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample container	s collected?	Yes			
Field La	<u>abel</u>					
	e field sample labels filled out with the minimum inform	nation:				
	Sample ID?		Yes			
	Date/Time Collected? Collectors name?		Yes			
	Preservation		No			
	s the COC or field labels indicate the samples were press	erved?	No			
	sample(s) correctly preserved?		NA			
	b filteration required and/or requested for dissolved meta	als?	No			
	ase Sample Matrix		110			
	s the sample have more than one phase, i.e., multiphase?	,	No			
	s, does the COC specify which phase(s) is to be analyze		No NA			
-		·u.	INA			
	t <u>ract Laboratory</u> samples required to get sent to a subcontract laboratory?	,	No			
	a subcontract laboratory specified by the client and if so		NO NA	Subcontropt I -1- NIA		
∠7. was	a subcontract raboratory specified by the cheft and it so	wii0?	INA	Subcontract Lab: NA		



envirotech Inc.

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

Date

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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.

Raina Schwanz

Laboratory Administrator

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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CSW2

CSW3

CSW4

CSW5

Received by OCD: 8/10/2023 3:49:4	7 PM				Page
		Sample Sum	mary		
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:	Burton Flat Deep U 01058-0007	Jnit 61H	Reported:
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.

Soil

Soil

Soil

Soil

E307183-04A

E307183-05A

E307183-06A

E307183-07A

07/29/23

07/29/23

07/29/23

07/29/23

08/01/23

08/01/23

08/01/23

08/01/23

Glass Jar, 2 oz.

Glass Jar, 2 oz. Glass Jar, 2 oz.

Glass Jar, 2 oz.



envirotech Inc.

	0					
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Mana	oer: 0105	on Flat Deep 58-0007 Bynum	Reported: 8/2/2023 2:27:59PM		
	(CS1 Bottoms				
		E307183-01				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	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	A	nalyst: 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	A	nalyst: BA		Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	



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Pima Environmental Services-Carlsbad	Project Name:	Burt					
PO Box 247	Project Numbe	er: 0105	58-0007		Reported: 8/2/2023 2:27:59PM		
Plains TX, 79355-0247	Project Manag	er: Tom	Bynum				
	C	CS2 Bottoms					
		E307183-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
,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	
urrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		07/31/23	08/01/23	
urrogate: 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	
Dil Range Organics (C28-C36)	ND	50.0		1	08/01/23	08/01/23	
urrogate: 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	



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Pima Environmental Services-Carlsbad	Project Name	roject Name: Burton Flat Deep Unit 61H						
PO Box 247	Project Numb		58-0007				Reported:	
Plains TX, 79355-0247	Project Mana	ger: Tom	Bynum		8/2/2023 2:27:59PM			
		CSW1						
		E307183-03						
		Reporting						
Analyte	Result	Limit	Dil	ution	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		
p-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		
Dil 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		



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Pima Environmental Services-Carlsbad	Project Name						
PO Box 247	Project Numb				Reported:		
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum		8/2/2023 2:27:59PM		
		CSW2					
		E307183-04					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
p-Xylene	ND	0.0250		1	07/31/23	08/01/23	
o,m-Xylene	ND	0.0500		1	07/31/23	08/01/23	
Fotal 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	
Dil 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	



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Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Numb Project Manag	er: 0103	on Flat De 58-0007 Bynum	Reported: 8/2/2023 2:27:59PM			
		CSW3					
		E307183-05					
		Reporting					
Analyte	Result	Limit	Dilu	ution	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	
p-Xylene	ND	0.0250		1	07/31/23	08/01/23	
o,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:	КМ		Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0		1	08/01/23	08/01/23	
Dil 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	



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Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Manag	er: 0105	on Flat Do 8-0007 Bynum	eep Unit	61H		Reported: 8/2/2023 2:27:59PM
		CSW4					
		E307183-06					
		Reporting					
Analyte	Result	Limit	Di	lution	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	
p-Xylene	ND	0.0250		1	07/31/23	08/01/23	
o,m-Xylene	ND	0.0500		1	07/31/23	08/01/23	
Fotal 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	
Dil 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	



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Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Numbe Project Manag	r: 010:	on Flat De 58-0007 Bynum	eep Unit	61H		Reported: 8/2/2023 2:27:59PM
		CSW5					
		E307183-07					
	D k	Reporting	D				N. (
Analyte	Result	Limit	Dil	lution	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	
p-Xylene	ND	0.0250		1	07/31/23	08/01/23	
o,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	
Dil 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

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Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		burton Flat Deep 1058-0007	p Unit 61H				Reported:
Plains TX, 79355-0247		Project Manager:	Т	om Bynum					8/2/2023 2:27:59PM
	,	Volatile Organic	Compo	ounds by EP	A 8260B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2331017-BLK1)							Prepared: 07	7/31/23 A	nalyzed: 08/01/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 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	7/31/23 A	nalyzed: 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			
p-Xylene	2.79	0.0250	2.50		112	70-130			
o,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	7/31/23 A	nalyzed: 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	
p-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	
					10.4	70 120			
•	0.520		0.500		104	70-130			
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.520 0.484		0.500 0.500		104 96.7	70-130			



QC Summary Data

		QC DI		iary Data	ı				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Burton Flat Dee 01058-0007 Tom Bynum	p Unit 61H				Reported: 8/2/2023 2:27:59PM
	No	onhalogenated O	rganio	cs by EPA 801	15D - GR	0			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2331017-BLK1)							Prepared: 0	7/31/23 A	nalyzed: 08/01/23
Gasoline Range Organics (C6-C10)	ND	20.0					1		
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: 0	7/31/23 A	nalyzed: 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: 0	7/31/23 A	nalyzed: 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			



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QC Summary Data

		QC D	u 11111	iary Data					
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Burton Flat Dee 01058-0007 Tom Bynum	p Unit 611	H			Reported: 8/2/2023 2:27:59PM
1 millio 17x, 77555 0247	Nash			-					
	INONI	alogenated Org	anics d	OY EPA 80151) - DRU	/UKU			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2331023-BLK1)							Prepared: 0	8/01/23 A	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: 0	8/01/23 A	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: 0	8/01/23 A	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: 0	8/01/23 A	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			



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QC Summary Data

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Pima Environmental Services-Carlsbac PO Box 247 Plains TX, 79355-0247	Project Name: Project Number: Project Manager		Burton Flat Dee 01058-0007 Tom Bynum	ep Unit 611	I			Reported: 8/2/2023 2:27:59PM	
		Anions	by EPA	300.0/90564	4				Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2331027-BLK1)							Prepared: 0	8/01/23 A	analyzed: 08/01/23
Chloride	ND	20.0							
LCS (2331027-BS1)							Prepared: 0	8/01/23 A	analyzed: 08/01/23
Chloride	261	20.0	250		105	90-110			
Matrix Spike (2331027-MS1)				Source:	E307183-	01	Prepared: 0	8/01/23 A	analyzed: 08/01/23
Chloride	269	20.0	250	ND	108	80-120			
Matrix Spike Dup (2331027-MSD1)				Source:	E307183-	01	Prepared: 0	8/01/23 A	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.



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

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.



Releasea

Chain of Custody

Page ____

liont. Dir	ma Env	ironment	al Servic		8	Bill To		I.		La	b Us	e Onl	V.				TA			EPA P	rogram
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roject Ma	anager:	Tom By	num		Address:			E :	301	182	5	CIC	D6	ters.	X		<u> </u>	1000	Sec. Provident	-	RCRA
		Lovingto			City, State	, Zip			-	-		Analys	sis an	d Metho		1	1				I ICIU
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Report du					Pima Pr	oject # 278		ROb	RO b	oy 80.	y 826	s 601	de 30		11 10 10	ř		2			
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V:10	1	1		CS7	50		2														
	+			CSWI	<u> </u>		3								11						
8:15		++					E			-			-			T	1				
8:20				CSWZ					-	-	-		-		+	-	+				
8:25				csw3			5		-	-	-	-				+	-				
8:30				CSW4			<u>u</u>	2.0	1_		-		-	$\left \right $	6	-	-	++			
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				may be grounds for lega	action.	Sampled by:						packe	d in icu	e at an avg t		-	Jse O		sequent da	iys.	
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Note: Same	nles are di	scarded 30	days after r	esults are reported up	less other arra	angements are made.	Hazardous samples v	vill be r	return	ed to	client	or disp	osed	of at the	client	expens	e. The	e report fo	or the an	alysis of th	ne above
samples is	applicable	only to tho	se samples	received by the labor	atory with this	COC. The liability of th	e laboratory is limited	to the	e amou	unt pa	aid for	on the	e repo	ort.				_			

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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

	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 o	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does 1	the number of samples per sampling site location m	atch the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, requ	ested analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disues		Yes		Commen	ts/Resolution
Sample '	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was tl	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was t	he sample received on ice? If yes, the recorded temp is 4° Note: Thermal preservation is not required, if samples minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual samp	le temperature: <u>4°</u>	<u>C</u>			
Somplo						
Sample	Container					
	<u>Container</u> aqueous VOC samples present?		No			
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Date

envirotech Inc.

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



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

Reference Figure 2 for a Topographic Map.

Release Information

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.

				.15.29 NMA	C (Denth	to Croundur								
	Sample	DEVON	ENERGY ST	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')										
	Sample	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						
	1'	ND	ND	ND	ND	ND	0	ND						
S-1	2'	ND	ND	ND	ND	ND	0	ND						
5-1	3'	ND	ND	ND	ND	ND	0	32.6						
	4'	ND	ND	ND	ND	ND	0	ND						
	1'	ND	ND	ND	ND	ND	0	168						
S-2	2'	ND	ND	ND	ND	ND	0	ND						
3-2	3'	ND	ND	ND	ND	ND	0	38.4						
	4'	ND	ND	ND	ND	ND	0	ND						
	1'	ND	ND	ND	ND	ND	0	146						
S-3	2'	ND	ND	ND	ND	ND	0	ND						
3-3	3'	ND	ND	ND	ND	ND	0	38.9						
	4'	ND	ND	ND	ND	ND	0	ND						
	1'	ND	ND	ND	ND	ND	0	ND						
S-4	2'	ND	ND	ND	ND	ND	0	ND						
3-4	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.

NM	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				

7-29-23 Confirmation Sample Results

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



Figures:

1-Location Map

2-Topographic Map

3-Karst Map

4-Site Map

5-Confirmation Sample Map

Received by OCD: 8/10/2023 3:49:47 PM Burton Flat Deep Unit #61H

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

524

Legend

3

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360

62

N

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

Burton Flat Deep Unit #61H

62

Carlsbad North

Avalon

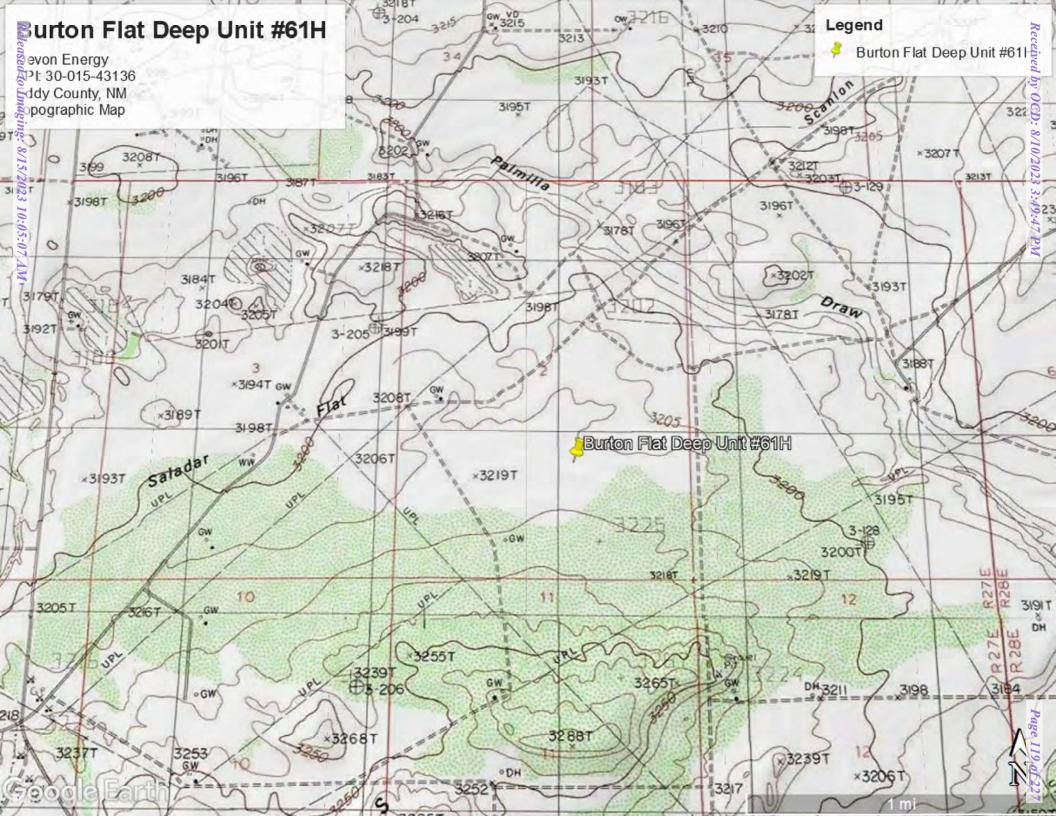
285

Happy Valley Carlsbad

GROLASED & Guagan St 15/2023 10:05:07 AM

Livingston Wheeler

7 mi



Burton Flat Deep Unit #61H

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



Excel Construction Com

N

4 mi

36

Burton Flat Deep Unit #61H

PACC

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Carlsbad North

206

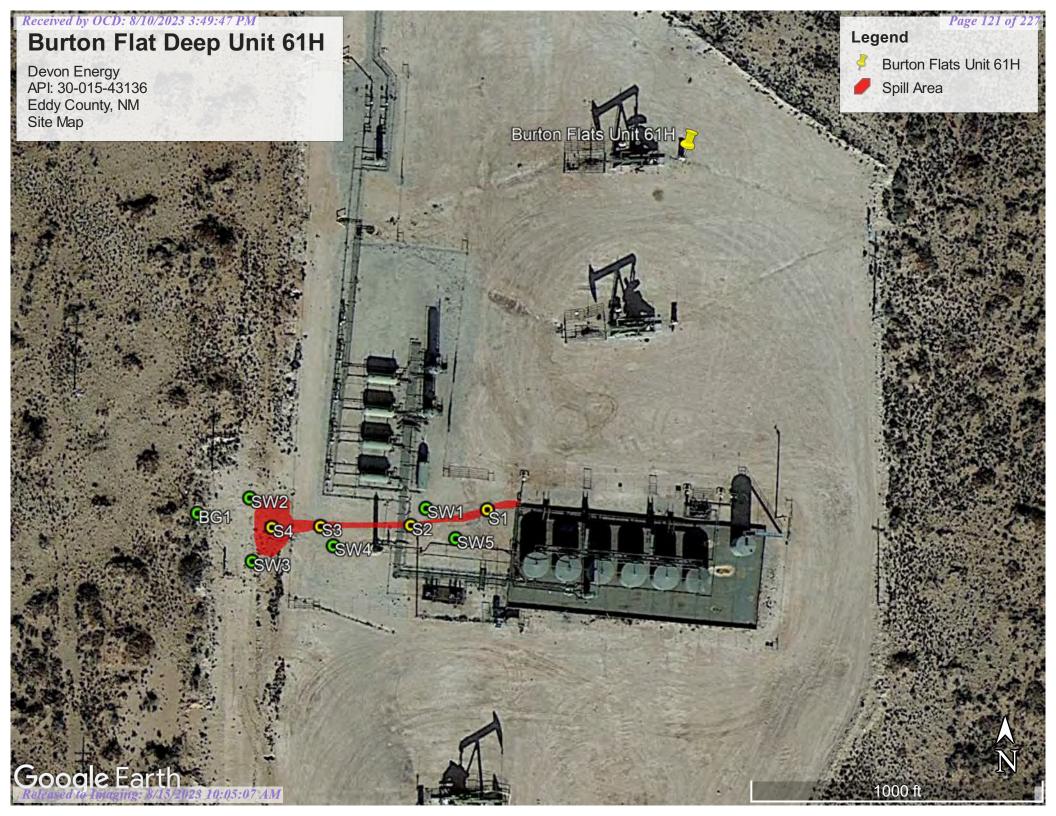
Avalon

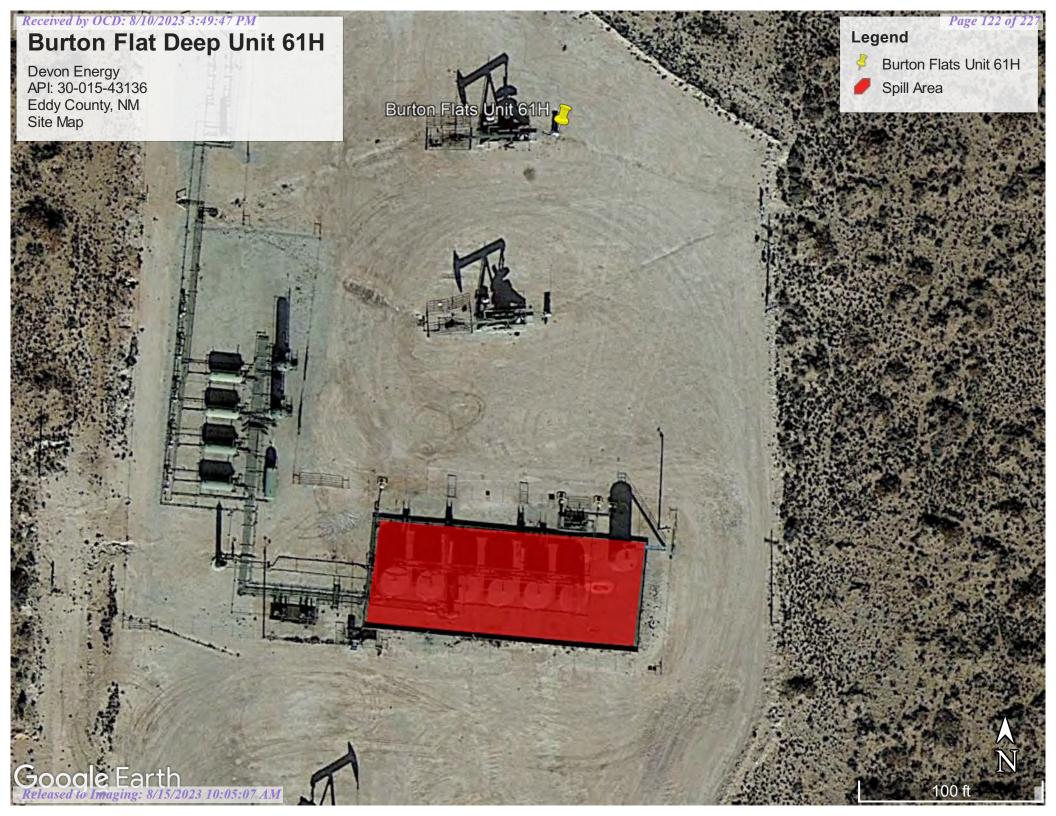
602

Google Earth

George Shoup Relief Rte

Reteased to Imaging: 8/15/2023 10:05:07 AM 62





Received by OCD: 8/10/2023 3:49:47 PM Burton Flat Deep Unit #61H

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

Burton Flat Deep Unit #61H

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A N

90 ft

Confirmation Samples/Sidewalls

Legend

۲

100

CSW5

CSW1

CSW4

CSW3 CSW2

7 AM



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	replaced O=orpha	ined,		(1_NW	/ 2_NE	2-534 4-5	E)				
water right file.)	C=the fil closed)	le is		```				st to lar	3=SW 4=S rgest) (N	E) JAD83 UTM in m	eters)	(In f	eet)	
		POD Sub-		Q	QQ	2							W	Vate
POD Number C 00469	Code C	basin CUB	County ED	64		Sec 02	Tws 21S	Rng 27E	X 579078	Y 3596994* 🦲	DistanceDep 48	othWellDep 767	thWater Co	olum
C 03525 POD3		CUB	ED	1				27E	579728	3598332	1484	30		
<u>C 03525 POD2</u>		CUB	ED	2	2 2	02	21S	27E	579676	3598362	1488	29	20	
<u>C 03525 POD1</u>		CUB	ED	1	1 1	01	21S	27E	579702	3598362	1500	31	20	
<u>C 03525 POD4</u>		CUB	ED	1	1 1	01	21S	27E	579728	3598362	1511	29		
<u>C 02992</u>		С	ED	3	3 2	01	21S	27E	580594	3597311* 🌍	1585	250	186	(
<u>C 01142</u>		С	ED	3	1 4	03	21S	27E	577358	3596873* 🌍	1684	100		
<u>C 03689 POD1</u>		С	ED	1	1 2	01	21S	27E	580490	3598014 🌍	1762	95	10	8
<u>C 03350</u>		С	ED	1	4 2	01	21S	27E	580896	3597476 🌍	1915	76	8	(
<u>C 03268 POD1</u>		CUB	ED	4	2 4	01	21S	27E	581201	3596915 🌍	2167	48	13	3
<u>C 02907</u>		С	ED	3	2 1	03	21S	27E	576959	3597669* 🌍	2176	52	14	3
<u>C 03690 POD1</u>		С	ED	4	1 4	10	21S	27E	577482	3595179 🌍	2407	200		
<u>C 00465</u>	С	CUB	ED	3	2 1	14	21S	27E	578576	3594475* 🌍	2584			
<u>C 00473</u>	С	CUB	ED		3 2	14	21S	27E	579087	3594177* 🌍	2841	562		
										Averag	ge Depth to Wat	er:	38 fee	et
											Minimum De	•	8 fee	
											Maximum De	pth:	186 fee	et
Record Count: 14														
UTMNAD83 Radius		<u>1 meters):</u>	_		A D.	2507	019 57	,		Pading 2000				
Easting (X): 579	1033.93		ivorti	ung	(1):	5391	018.52	2		Radius: 3000				
*UTM location was derived The data is furnished by the N		-												

1/25/23 8:50 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

USGS Home Contact USGS Search USGS



National Water Information System: Web Interface

USGS Water Resources	Data Category:	Geographic Area:	
0505 Water Resources	Groundwater 🗸	United States	✔ GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

• 323029104103901

Minimum number of levels = 1

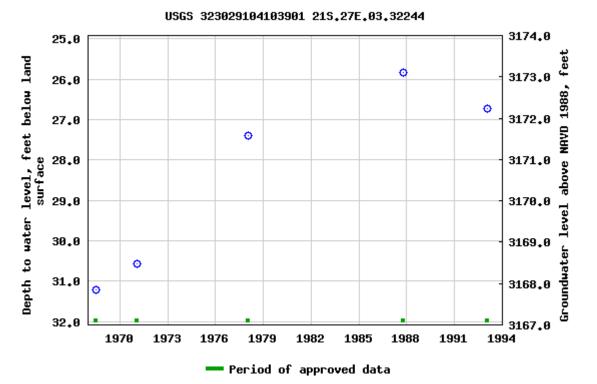
Save file of selected sites to local disk for future upload

USGS 323029104103901 21S.27E.03.32244

Available data for this site Groundwater: Field measurements V 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 (N99990THER) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.

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

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

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



Received by OCD: 8/10/2023 3:49:47 PM Burton Flat Deep Unit #61H

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

Legend

🍰 4.98 Miles

3 mi

603

62

Burton Flat Deep Unit #61H

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Burton Flat Deep Unit #61H

A CALL



Avalon

206

George Shoup Relief Rte

100

Google Fastbarrent



Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map Map Unit Description: Gypsum land-Reeves complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

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



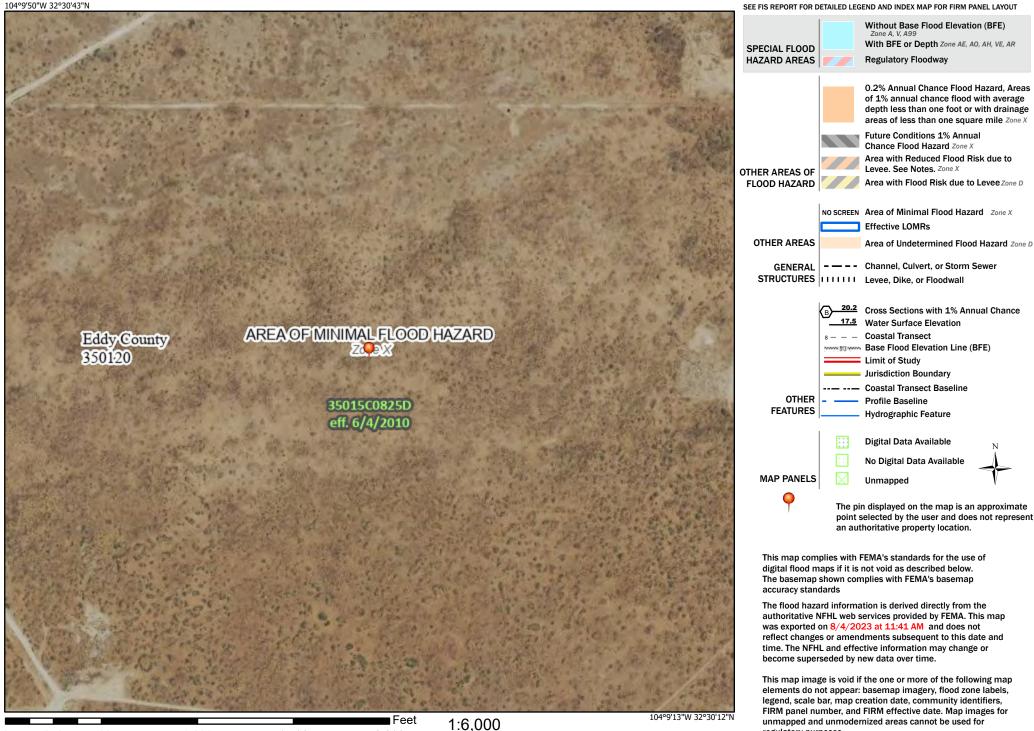
Received by OCD: 8/10/2023 3:49:47,PM National Flood Hazard Layer FIRMette



Legend

regulatory purposes.

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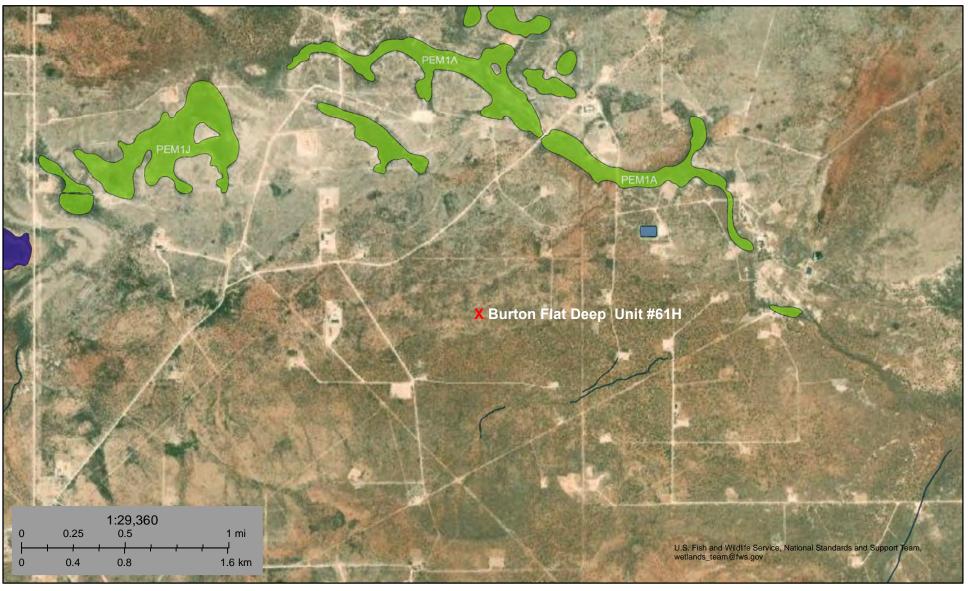


Releas224 Imaging: 8/15/2023 90.95:07 AM 1,500 2,000

Basemap Imagery Source: USGS National Map 2023

U.S. Fish and Wildlife Service **National Wetlands Inventory**

Wetlands Map



March 8, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- **Freshwater Pond**

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

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.



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

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

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

Unit Lett	er 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".			

Received by OCD:	8/10/2023 3:49:47	^{PM} State of New Mexico
FUIII C-141		- State of INEW MEXICO

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1 age	4

Oil Conservation Division

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?	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.	
Yes No		
If YES, was immediate n	otice 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	

Signature: Kendra DeHoyos

email: kendra.dehoyos@dvn.com

|--|

Received by: Amalia Bustamante

Title: EHS Associate

Date: 6/7/2019

Telephone:	575-748-3371	1
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Date: 6/13/2019

Received by OCD: 8/10/2023 3:49:47 PM Form C-141 State of New Mexico

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Oil Conservation Division

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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?		
Did this release impact groundwater or surface water?		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 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 д 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?		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🗴 No	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?		
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No	
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes д No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	X Yes 🗌 No	
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes ᡵ No	
Did the release impact areas not on an exploration, development, production, or storage site?		

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

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

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

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

Received by OCD: 8/	rm C-141 State of New Mexico Oil Conservation Division			Page 139 of 227		
				Incident ID	NAB1916437520	
Page 4				District RP		
				Facility ID		
				Application ID		
regulations all operator public health or the en failed to adequately in addition, OCD accept and/or regulations. Printed Name: Signature: Dala email:dale.wood	Woodall	ifications OCD does eat to grou f responsil _ Title: _ Date: _	and perform co s not relieve the undwater, surfa bility for compl	rrective actions for relea operator of liability sho ce water, human health iance with any other fed ntal Professional	ases which may endanger ould their operations have or the environment. In	
OCD Only						
Received by:			Date:			

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



Gio PimaOil <gio@pimaoil.com>

Burton Flat Deep Unit 61H - Liner Inspection

1 message

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

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.



Gio PimaOil <gio@pimaoil.com>

Burton Flat Deep Unit 61H Sampling Confirmation Samples

1 message

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

Wed, Jul 26, 2023 at 10:32 AM

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 Gomex Project Manager

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



Appendix D

Photographic Documentation

LIner Inspection Form



SITE PHOTOGRAPHS DEVON ENERGY BURTON FLAT DEEP UNIT #061H

Liner Inspection









Site Assessment





Excavation







Post Excavation







Liner Inspection Form

Company Name:	Devon Energy		
Site:	Burton Flat Deep Unit 61H		
Lat/Long:	32.30098, -103.6807		
NMOCD Incident ID & Incident Date:	<u>NAB1916437520 & 6/3/201</u>	9	
2-Day Notification Sent:	via Email by Gio Gomez 6/22	2/2023	
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?		Х	
Are there holes in the liner?		Х	
Is the liner retaining any fluids?		Х	
Does the liner have integrity to contain a leak?	Х		

Comments: _____

Inspector Name: ______ Dominick Gonzales_____ Inspector Signature: ______ Dominick Gonzales______



Appendix E

Laboratory Reports



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

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: 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

Field Offices:

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227)

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

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summarv

		Sample Sum	mary		
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	Burton Flat Deep 61 01058-0007 Tom Bynum		Reported: 03/31/23 11:10
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
31-1'	E303099-01A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
51-2'	E303099-02A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
51-3'	E303099-03A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
51-4'	E303099-04A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
32-1'	E303099-05A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
2-2'	E303099-06A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
2-3'	E303099-07A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
2-4'	E303099-08A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
3-1'	E303099-09A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
3-2'	E303099-10A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
3-3'	E303099-11A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
3-4'	E303099-12A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
4-1'	E303099-13A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
4-2'	E303099-14A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
4-3'	E303099-15A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
4-4'	E303099-16A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
W1	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.
W3	E303099-19A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
W4	E303099-20A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
3G1	E303099-21A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.
W5	E303099-22A	Soil	03/23/23	03/25/23	Glass Jar, 2 oz.



		impic D				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Numbe Project Manage	r: 0105	on Flat Dee 58-0007 Bynum	p 61		Reported: 3/31/2023 11:10:06AM
		S1-1'				
]	E303099-01				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2313010
Benzene	ND	0.0250	1	03/27/23	8 03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/23	8 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	3 03/28/23	
Surrogate: Bromofluorobenzene		103 %	70-130	03/27/23	3 03/28/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	03/27/23	8 03/28/23	
Surrogate: Toluene-d8		101 %	70-130	03/27/23	8 03/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/23	8 03/28/23	
Surrogate: Bromofluorobenzene		103 %	70-130	03/27/23	3 03/28/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	03/27/23	8 03/28/23	
Surrogate: Toluene-d8		101 %	70-130	03/27/23	3 03/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: JL		Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	3 03/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/27/23	3 03/29/23	
Surrogate: n-Nonane		105 %	50-200	03/27/23	3 03/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: BA		Batch: 2313027
Chloride	ND	20.0	1	03/28/23	3 03/28/23	



	D D	sample D	ala			
Pima Environmental Services-Carlsbad	Project Name		on Flat Dee	p 61		
PO Box 247	Project Num		58-0007			Reported:
Plains TX, 79355-0247	Project Mana	ager: Tom	Bynum			3/31/2023 11:10:06AN
		S1-2'				
		E303099-02				
		Reporting				
Analyte	Result	Limit	Dilu	tion 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	
o,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	
urrogate: Toluene-d8		101 %	70-130	03/27/23	03/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	ag Analyst: JL			Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Dil 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	



	D	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name:		on Flat De	ep 61			
PO Box 247	Project Numb		58-0007				Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum				3/31/2023 11:10:06AN
		S1-3'					
		E303099-03					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
p-Xylene	ND	0.0250		1	03/27/23	03/28/23	
o,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	
Dil 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	



	5	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name		on Flat De	ep 61			
PO Box 247	Project Numb		58-0007				Reported:
Plains TX, 79355-0247	Project Mana	ger: Tom	Bynum				3/31/2023 11:10:06AN
		S1-4'					
		E303099-04					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
p-Xylene	ND	0.0250		1	03/27/23	03/28/23	
o,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	
Dil 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	



	5	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name:		on Flat De	ep 61			
PO Box 247	Project Numb		58-0007				Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum				3/31/2023 11:10:06AM
		S2-1'					
		E303099-05					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
p-Xylene	ND	0.0250		1	03/27/23	03/28/23	
o,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	
Dil 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	



	D	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name		on Flat Dee	ep 61			
PO Box 247	Project Numl		58-0007				Reported:
Plains TX, 79355-0247	Project Mana	iger: Tom	Bynum				3/31/2023 11:10:06AN
		S2-2'					
		E303099-06					
		Reporting					
Analyte	Result	Limit	Dilu	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS			Batch: 2313010
Benzene	ND	0.0250	1	l 0.	3/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	0.	3/27/23	03/28/23	
Toluene	ND	0.0250	1	0.	3/27/23	03/28/23	
p-Xylene	ND	0.0250	1	0.	3/27/23	03/28/23	
o,m-Xylene	ND	0.0500	1	0.	3/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	l 0.	3/27/23	03/28/23	
Surrogate: Bromofluorobenzene		96.1 %	70-130	0.	3/27/23	03/28/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	0.	3/27/23	03/28/23	
Surrogate: Toluene-d8		100 %	70-130	0.	3/27/23	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	l 0.	3/27/23	03/28/23	
Surrogate: Bromofluorobenzene		96.1 %	70-130	0.	3/27/23	03/28/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	0.	3/27/23	03/28/23	
Surrogate: Toluene-d8		100 %	70-130	0.	3/27/23	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	0.	3/27/23	03/31/23	
Dil Range Organics (C28-C36)	ND	50.0	1	l 0.	3/27/23	03/31/23	
Surrogate: n-Nonane		107 %	50-200	0.	3/27/23	03/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA			Batch: 2313027
Chloride	ND	20.0	1	l 0.	3/28/23	03/28/23	



	2	ample D	ala				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Num Project Mana	ber: 0105	on Flat Dec 58-0007 Bynum	ep 61			Reported: 3/31/2023 11:10:06AM
		S2-3'					
		52-5 E303099-07					
		Reporting					
Analyte	Result	Limit	Dilu	ution	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	
Fotal Xylenes	ND	0.0250	:	1	03/27/23	03/28/23	
urrogate: 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	
urrogate: 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	g Analyst: JL			Batch: 2313007	
Diesel Range Organics (C10-C28)	ND	25.0		1	03/27/23	03/29/23	
Dil Range Organics (C28-C36)	ND	50.0		1	03/27/23	03/29/23	
Gurrogate: 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	



	5	ample D	ลเล				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Numbe Project Manag	er: 0105	on Flat De 58-0007 Bynum	ep 61			Reported: 3/31/2023 11:10:06AM
		S2-4'					
		E303099-08					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
-Xylene	ND	0.0250		1	03/27/23	03/28/23	
o,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	
urrogate: 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	
Dil 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	



	5	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name		on Flat Dee	ep 61			
PO Box 247	Project Numb		58-0007				Reported:
Plains TX, 79355-0247	Project Mana	ger: Tom	Bynum			3/31/2023 11:10:06AN	
		S3-1'					
		E303099-09					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: F	RKS		Batch: 2313010
Benzene	ND	0.0250	i	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	1	03/27/23	03/28/23	
p-Xylene	ND	0.0250	1	1	03/27/23	03/28/23	
p,m-Xylene	ND	0.0500	1	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: F	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: J	L		Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	:	l	03/27/23	03/29/23	
Dil 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: E	BA		Batch: 2313027
Chloride	146	20.0	:	1	03/28/23	03/28/23	



	C C	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name		on Flat Dee	ep 61			
PO Box 247	Project Number: 01058-0007						Reported:
Plains TX, 79355-0247	Project Mana	ager: Tom			3/31/2023 11:10:06AN		
		S3-2'					
		E303099-10					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: R	KS		Batch: 2313010
Benzene	ND	0.0250	1	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	1	03/27/23	03/28/23	
Toluene	ND	0.0250	1	1	03/27/23	03/28/23	
-Xylene	ND	0.0250	1	1	03/27/23	03/28/23	
,m-Xylene	ND	0.0500	1	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	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	
urrogate: Toluene-d8		101 %	70-130		03/27/23	03/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: R	KS		Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	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	
urrogate: Toluene-d8		101 %	70-130		03/27/23	03/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JI	J		Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	1	03/27/23	03/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	1	03/27/23	03/29/23	
urrogate: n-Nonane		109 %	50-200		03/27/23	03/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: B	А		Batch: 2313027
Chloride	ND	20.0	1	1	03/28/23	03/28/23	



	a	ample D	ala				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Num Project Mana	ber: 0105	on Flat Dee 58-0007 Bynum	ep 61			Reported: 3/31/2023 11:10:06AM
	T Toject Wiana		Dynam				5/5//2025 11.10.00/11
		S3-3'					
		E303099-11					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2313010
Benzene	ND	0.0250	1	1	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	1	03/27/23	03/28/23	
oluene	ND	0.0250	1	1	03/27/23	03/28/23	
p-Xylene	ND	0.0250	1	1	03/27/23	03/28/23	
o,m-Xylene	ND	0.0500	1	1	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	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	
urrogate: 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	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	1	03/27/23	03/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	1	03/27/23	03/29/23	
Gurrogate: 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	1	03/28/23	03/28/23	



	2	sample D	ลเล			
Pima Environmental Services-Carlsbad	Project Name		on Flat Deep	61		
PO Box 247	Project Num			Reported:		
Plains TX, 79355-0247	Project Mana	ager: Tom	Bynum			3/31/2023 11:10:06AM
		S3-4'				
		E303099-12				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: 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	
p-Xylene	ND	0.0250	1	03/27/23	03/28/23	
o,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	Ar	nalyst: 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	Ar	Analyst: JL		Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/23	03/29/23	
Dil 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	Ar	nalyst: BA		Batch: 2313027
Chloride	ND	20.0	1	03/28/23	03/28/23	



	5	ample D	ara				
Pima Environmental Services-Carlsbad	Project Name	: Burt	on Flat De	ep 61			
PO Box 247	Project Numb	ct Number: 01058-0007					Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum			3/31/2023 11:10:06AN	
		S4-1'					
		E303099-13					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
p-Xylene	ND	0.0250		1	03/27/23	03/27/23	
o,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	
Dil 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	



	6	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name		on Flat De	ep 61			
PO Box 247	Project Number: 01058-0007						Reported:
Plains TX, 79355-0247	Project Mana	ger: Tom	Bynum			3/31/2023 11:10:06AM	
		S4-2'					
		E303099-14					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
p-Xylene	ND	0.0250		1	03/27/23	03/28/23	
o,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	
urrogate: 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	
Dil 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	



	D	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name		on Flat Dee	ep 61			
PO Box 247	Project Num		58-0007				Reported:
Plains TX, 79355-0247	Project Mana	iger: Tom	Bynum			3/31/2023 11:10:06AN	
		S4-3'					
		E303099-15					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RF	KS		Batch: 2313010
Benzene	ND	0.0250	1	l	03/27/23	03/28/23	
Ethylbenzene	ND	0.0250	1	l	03/27/23	03/28/23	
Toluene	ND	0.0250	1	l	03/27/23	03/28/23	
o-Xylene	ND	0.0250	1	l	03/27/23	03/28/23	
o,m-Xylene	ND	0.0500	1	l	03/27/23	03/28/23	
Total Xylenes	ND	0.0250	1	l	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	
urrogate: Toluene-d8		102 %	70-130		03/27/23	03/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RF	KS		Batch: 2313010
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	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	
urrogate: 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	l	03/27/23	03/30/23	
Dil Range Organics (C28-C36)	ND	50.0	1	l	03/27/23	03/30/23	
urrogate: n-Nonane		103 %	50-200		03/27/23	03/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA	1		Batch: 2313027
Chloride	ND	20.0	1	l	03/28/23	03/28/23	



	r L	Sample D	ลเส				
Pima Environmental Services-Carlsbad	Project Nam		on Flat Dee	ep 61			
PO Box 247	Project Number: 01058-0007						Reported:
Plains TX, 79355-0247	Project Man	ager: Tom	Bynum				3/31/2023 11:10:06AM
		S4-4'					
		E303099-16					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: 1	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	
o,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	
Dil 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	



	50	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name:		on Flat De	ep 61			
PO Box 247	Project Numbe		58-0007	Reported:			
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum			3/31/2023 11:10:06AM	
		SW1					
		E303099-17					
		Reporting					
Analyte	Result	Limit	Dilu	ution	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	
,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	
urrogate: 1,2-Dichloroethane-d4		100 %	70-130		03/27/23	03/28/23	
urrogate: 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	
urrogate: 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	
Dil 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 D	ala			
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Nam Project Num Project Mana	ber: 0103	on Flat Dee 58-0007 Bynum	p 61		Reported: 3/31/2023 11:10:06AM
		SW2				
		E303099-18				
		Reporting				
Analyte	Result	Limit	Dilu	tion Prepare	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RKS		Batch: 2313010
Benzene	ND	0.0250	1	03/27/2	3 03/28/23	
Ethylbenzene	ND	0.0250	1	03/27/2	3 03/28/23	
oluene	ND	0.0250	1	03/27/2	3 03/28/23	
-Xylene	ND	0.0250	1	03/27/2	3 03/28/23	
,m-Xylene	ND	0.0500	1	03/27/2	3 03/28/23	
Total Xylenes	ND	0.0250	1	03/27/2	3 03/28/23	
Surrogate: Bromofluorobenzene		98.7 %	70-130	03/27/2	3 03/28/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	03/27/2	3 03/28/23	
urrogate: Toluene-d8		102 %	70-130	03/27/2	3 03/28/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS	Batch: 2313010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/27/2	3 03/28/23	
Surrogate: Bromofluorobenzene		98.7 %	70-130	03/27/2	3 03/28/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	03/27/2	3 03/28/23	
Surrogate: Toluene-d8		102 %	70-130	03/27/2	3 03/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL		Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0	1	03/27/2	3 03/30/23	
Dil Range Organics (C28-C36)	ND	50.0	1	03/27/2	3 03/30/23	
Surrogate: n-Nonane		105 %	50-200	03/27/2	3 03/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: BA		Batch: 2313027
Chloride	ND	20.0	1	03/28/2	3 03/29/23	



	0	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name		on Flat Dee	ep 61			D
PO Box 247	Project Number: 01058-0007						Reported:
Plains TX, 79355-0247	Project Mana	iger: Iom	Bynum				3/31/2023 11:10:06AM
		SW3					
		E303099-19					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: F	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	
o,m-Xylene	ND	0.0500		1	03/27/23	03/28/23	
Fotal 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: F	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: J	L		Batch: 2313007
Diesel Range Organics (C10-C28)	ND	25.0		1	03/27/23	03/30/23	
Dil 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: H	BA		Batch: 2313027
Chloride	ND	20.0		1	03/28/23	03/29/23	



	b	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name		on Flat De	ep 61			
PO Box 247	Project Number: 01058-0007						Reported:
Plains TX, 79355-0247	Project Mana	iger: Tom	Bynum	3/31/2023 11:10:06AM			
		SW4					
		E303099-20					
		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
p-Xylene	ND	0.0250		1	03/27/23	03/28/23	
o,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	
Dil 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	



	5	ample D	ala				
Pima Environmental Services-Carlsbad	Project Name		on Flat De	ep 61			
PO Box 247	Project Number: 01058-0007						Reported:
Plains TX, 79355-0247	Project Mana	ger: Tom	Bynum		3/31/2023 11:10:06AN		
		BG1					
		E303099-21					
		Reporting					
Analyte	Result	Limit	Dilı	ition	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	
-Xylene	ND	0.0250		1	03/27/23	03/29/23	
,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		Y		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	
urrogate: Toluene-d8		99.9 %	70-130		03/27/23	03/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	g mg/kg Analyst		Analyst: KM			Batch: 2313009
Diesel Range Organics (C10-C28)	ND	25.0		1	03/27/23	03/28/23	
Dil 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: I	BA		Batch: 2313026
Chloride	ND	20.0		1	03/28/23	03/29/23	



	5	ample D	ala					
Pima Environmental Services-Carlsbad	Project Name		on Flat Dee	ep 61				
PO Box 247	Project Number: 01058-0007						Reported:	
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum				3/31/2023 11:10:06AN	
		SW5						
		E303099-22						
		Reporting						
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		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		
p-Xylene	ND	0.0250		1	03/27/23	03/29/23		
o,m-Xylene	ND	0.0500		1	03/27/23	03/29/23		
Fotal 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		
Dil 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: I	BA		Batch: 2313026	
Chloride	ND	20.0		1	03/28/23	03/29/23		



QC Summary Data

		QC DI		I y Dat	a						
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		arton Flat Dee 058-0007	ep 61				Reported:		
Plains TX, 79355-0247		Project Manager:	То	om Bynum				3/3	31/2023 11:10:06AM		
		Volatile Organic	Analyst: RKS								
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (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: 03/27/2				
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: 0	3/27/23 Ana	lyzed: 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: 0	3/27/23 Ana	lyzed: 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					
			0.500		104						
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.501 0.510		0.500		100	70-130 70-130					



QC Summary Data

		VC 51								
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:	01	urton Flat Dee 058-0007	p 61				Reported:	
Plains TX, 79355-0247		Project Manager:	То	m Bynum				3/3	1/2023 11:10:06AM	
		Volatile Organic	Analyst: IY							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2313011-BLK1)							Prepared: 03/27/23 Analyzed: 03/29/23			
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
p-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 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: 0	3/27/23 Anal	yzed: 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				
p-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-()6	Prepared: 0	3/27/23 Anal	yzed: 03/29/23	
• • •	2.48	0.0250	2.50	ND	99.3	48-131				
Benzene										
Benzene Ethylbenzene	2.45		2.50	ND	98.0	45-135				
Ethylbenzene		0.0250								
Ethylbenzene Toluene	2.52	0.0250 0.0250	2.50	ND	101	48-130				
Ethylbenzene Toluene p-Xylene	2.52 2.62	0.0250 0.0250 0.0250	2.50 2.50	ND ND	101 105	48-130 43-135				
Ethylbenzene Toluene p-Xylene p,m-Xylene	2.52 2.62 5.03	0.0250 0.0250 0.0250 0.0500	2.50 2.50 5.00	ND ND ND	101 105 101	48-130 43-135 43-135				
Ethylbenzene Toluene p-Xylene p,m-Xylene Total Xylenes	2.52 2.62 5.03 7.65	0.0250 0.0250 0.0250	2.50 2.50 5.00 7.50	ND ND	101 105 101 102	48-130 43-135 43-135 43-135				
Ethylbenzene Toluene p-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene	2.52 2.62 5.03 7.65 0.475	0.0250 0.0250 0.0250 0.0500	2.50 2.50 5.00 7.50 0.500	ND ND ND	101 105 101 102 95.0	48-130 43-135 43-135 43-135 70-130				
Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	2.52 2.62 5.03 7.65 0.475 0.482	0.0250 0.0250 0.0250 0.0500	2.50 2.50 5.00 7.50 0.500 0.500	ND ND ND	101 105 101 102 95.0 96.3	48-130 43-135 43-135 43-135 70-130 70-130				
Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	2.52 2.62 5.03 7.65 0.475	0.0250 0.0250 0.0250 0.0500	2.50 2.50 5.00 7.50 0.500	ND ND ND ND	101 105 101 102 95.0 96.3 101	48-130 43-135 43-135 43-135 70-130 70-130 70-130				
Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2313011-MSD1)	2.52 2.62 5.03 7.65 0.475 0.482 0.507	0.0250 0.0250 0.0250 0.0500 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500	ND ND ND Source:	101 105 101 102 95.0 96.3 101 E303100-4	48-130 43-135 43-135 70-130 70-130 70-130 06	-		yzed: 03/29/23	
Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2313011-MSD1) Benzene	2.52 2.62 5.03 7.65 0.475 0.482 0.507 2.32	0.0250 0.0250 0.0500 0.0250 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500 2.50	ND ND ND Source: ND	101 105 101 102 95.0 96.3 101 E303100-1 92.6	48-130 43-135 43-135 43-135 70-130 70-130 70-130 06 48-131	6.96	23	yzed: 03/29/23	
Ethylbenzene Toluene p-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2313011-MSD1) Benzene Ethylbenzene	2.52 2.62 5.03 7.65 0.475 0.482 0.507 2.32 2.32	0.0250 0.0250 0.0500 0.0250 0.0250 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500 2.50 2.50	ND ND ND Source: ND ND	101 105 101 102 95.0 96.3 101 E303100-(92.6 92.9	48-130 43-135 43-135 43-135 70-130 70-130 70-130 06 48-131 45-135	6.96 5.28	23 27	yzed: 03/29/23	
Ethylbenzene Toluene p-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2313011-MSD1) Benzene Ethylbenzene Toluene	2.52 2.62 5.03 7.65 0.475 0.482 0.507 2.32 2.32 2.39	0.0250 0.0250 0.0500 0.0250 0.0250 0.0250 0.0250 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500 2.50 2.50 2.50	ND ND ND Source: ND ND ND	101 105 101 102 95.0 96.3 101 E303100- 92.6 92.9 95.5	48-130 43-135 43-135 43-135 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130	6.96 5.28 5.46	23 27 24	yzed: 03/29/23	
Ethylbenzene Toluene Toluene p.m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: Toluene-d8 Matrix Spike Dup (2313011-MSD1) Benzene Ethylbenzene Toluene p-Xylene	2.52 2.62 5.03 7.65 0.475 0.482 0.507 2.32 2.32 2.39 2.47	0.0250 0.0250 0.0500 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500 2.50 2.50 2.50 2.5	ND ND ND Source: ND ND ND ND	101 105 101 102 95.0 96.3 101 E303100- 92.6 92.9 95.5 98.8	48-130 43-135 43-135 43-135 70-130 70-130 70-130 70-130 70-130 48-131 45-135 48-130 43-135	6.96 5.28 5.46 5.90	23 27 24 27	yzed: 03/29/23	
Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: Toluene-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2313011-MSD1) Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene	2.52 2.62 5.03 7.65 0.475 0.482 0.507 2.32 2.32 2.39 2.47 4.77	0.0250 0.0250 0.0250 0.0500 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500 2.50 2.50 2.50 2.5	ND ND ND Source: ND ND ND ND ND ND	101 105 101 102 95.0 96.3 101 E303100- 92.6 92.9 95.5 98.8 95.3	48-130 43-135 43-135 43-135 70-130 70-130 70-130 70-130 70-130 48-131 45-135 48-131 43-135 43-135	6.96 5.28 5.46 5.90 5.44	23 27 24 27 27	yzed: 03/29/23	
Ethylbenzene Toluene Toluene p.m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: Toluene-d8 Matrix Spike Dup (2313011-MSD1) Benzene Ethylbenzene Toluene p-Xylene	2.52 2.62 5.03 7.65 0.475 0.482 0.507 2.32 2.32 2.39 2.47	0.0250 0.0250 0.0500 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500 0.500 2.50 2.50 2.	ND ND ND Source: ND ND ND ND	101 105 101 102 95.0 96.3 101 E303100- 92.6 92.9 95.5 98.8	48-130 43-135 43-135 43-135 70-130 70-130 70-130 70-130 70-130 48-131 45-135 48-131 43-135 43-135 43-135	6.96 5.28 5.46 5.90	23 27 24 27	yzed: 03/29/23	
Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes Surrogate: Bromofluorobenzene Surrogate: Toluene-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2313011-MSD1) Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene	2.52 2.62 5.03 7.65 0.475 0.482 0.507 2.32 2.32 2.39 2.47 4.77	0.0250 0.0250 0.0250 0.0500 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500 2.50 2.50 2.50 2.5	ND ND ND Source: ND ND ND ND ND ND	101 105 101 102 95.0 96.3 101 E303100- 92.6 92.9 95.5 98.8 95.3	48-130 43-135 43-135 43-135 70-130 70-130 70-130 70-130 70-130 48-131 45-135 48-131 43-135 43-135	6.96 5.28 5.46 5.90 5.44	23 27 24 27 27	yzed: 03/29/23	
Ethylbenzene TolueneXyleneXylene Tolal Xylenes Surrogate: Bromofluorobenzene Surrogate: Toluene-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2313011-MSD1) Benzene Ethylbenzene TolueneXylene p,m-Xylene Total Xylenes	2.52 2.62 5.03 7.65 0.475 0.482 0.507 2.32 2.32 2.39 2.47 4.77 7.24	0.0250 0.0250 0.0250 0.0500 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0250	2.50 2.50 5.00 7.50 0.500 0.500 0.500 0.500 2.50 2.50 2.	ND ND ND Source: ND ND ND ND ND ND	101 105 101 102 95.0 96.3 101 E303100- 92.6 92.9 95.5 98.8 95.3 96.5	48-130 43-135 43-135 43-135 70-130 70-130 70-130 70-130 70-130 48-131 45-135 48-131 43-135 43-135 43-135	6.96 5.28 5.46 5.90 5.44	23 27 24 27 27	yzed: 03/29/23	



QC Summary Data

		QC BI		aly Data	a				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	C	Burton Flat Dee 01058-0007 Fom Bynum	p 61				Reported: 3/31/2023 11:10:06AM
	N	onhalogenated O		Analyst: RKS					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2313010-BLK1)							Prepared: 0	3/27/23 A	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: 0	3/27/23 A	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- 1	13	Prepared: 0	3/27/23 A	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- 1	13	Prepared: 0	3/27/23 A	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

		QC SI		ary Dau	•				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	C	Burton Flat Deej)1058-0007 Fom Bynum	p 61				Reported: 3/31/2023 11:10:06AM
	N	onhalogenated O	rganics	s by EPA 801	5D - GI	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2313011-BLK1)							Prepared: 0	3/27/23	Analyzed: 03/29/23
Gasoline Range Organics (C6-C10)	ND	20.0							
urrogate: Bromofluorobenzene	0.450		0.500		90.0	70-130			
urrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
urrogate: Toluene-d8	0.502		0.500		100	70-130			
LCS (2313011-BS2)							Prepared: 0	3/27/23	Analyzed: 03/29/23
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0		90.1	70-130			
urrogate: Bromofluorobenzene	0.447		0.500		89.4	70-130			
urrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130			
urrogate: Toluene-d8	0.507		0.500		101	70-130			
Matrix Spike (2313011-MS2)				Source:	E303100-(06	Prepared: 0	3/27/23	Analyzed: 03/29/23
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.5	70-130			
urrogate: Bromofluorobenzene	0.455		0.500		91.0	70-130			
urrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.6	70-130			
urrogate: Toluene-d8	0.504		0.500		101	70-130			
Matrix Spike Dup (2313011-MSD2)				Source:	E303100-(06	Prepared: 0	3/27/23	Analyzed: 03/29/23
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.8	70-130	3.96	20	
			0.500		01.2	70-130			
urrogate: Bromofluorobenzene	0.457		0.500		91.3	70-150			
urrogate: Bromofluorobenzene iurrogate: 1,2-Dichloroethane-d4	0.457 0.457		0.500 0.500		91.3 91.3	70-130			



QC Summary Data

		QC D	umm	ary Data	a				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	(Burton Flat Dee 01058-0007 Tom Bynum	p 61				Reported: 3/31/2023 11:10:06AM
	Nonh	alogenated Org	anics by	y EPA 8015D) - DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2313007-BLK1)							Prepared: 0	3/27/23 A	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: 0	3/27/23 A	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: 0	3/27/23 A	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: 0	3/27/23 A	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			



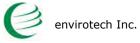
QC Summary Data

		VC D		ary Data	и				
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Burton Flat Dee 01058-0007 Tom Bynum	p 61				Reported: 3/31/2023 11:10:06AM
	Nonh	alogenated Orga	anics by	y EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2313009-BLK1)							Prepared: 0	3/27/23	Analyzed: 03/28/23
Diesel Range Organics (C10-C28)	ND	25.0					1		
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.3		50.0		101	50-200			
LCS (2313009-BS1)							Prepared: 0	3/27/23	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: 0	3/27/23	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: 0	3/27/23	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

		$\mathbf{x} \in \mathbf{v}$		ary Date						
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	I	Project Name: Project Number: Project Manager	: (Burton Flat Dee 01058-0007 Tom Bynum	ep 61				Reported: 3/31/2023 11:10:06A	AM
		Anions	by EPA	300.0/9056	4				Analyst: BA	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %		
Blank (2313026-BLK1)							Prepared: 0	3/28/23	Analyzed: 03/29/23	
Chloride LCS (2313026-BS1)	ND	20.0					Prepared: 0	3/28/23	Analyzed: 03/29/23	
Chloride	259	20.0	250		104	90-110				
Matrix Spike (2313026-MS1)				Source:	E303104-2	21	Prepared: 0	3/28/23	Analyzed: 03/29/23	
Chloride	272	20.0	250	ND	109	80-120				
Matrix Spike Dup (2313026-MSD1)				Source:	E303104-2	21	Prepared: 0	3/28/23	Analyzed: 03/29/23	
Chloride	271	20.0	250	ND	108	80-120	0.477	20		



QC Summary Data

	$\chi \cup \lambda$							
1	5	(01058-0007	ep 61				Reported: 3/31/2023 11:10:06AM
	Anions	by EPA	300.0/90564	۱				Analyst: BA
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	3/28/23 A	Analyzed: 03/28/23
ND	20.0							
						Prepared: 0	3/28/23 A	Analyzed: 03/28/23
257	20.0	250		103	90-110			
			Source:	E303099-(01	Prepared: 0	3/28/23 A	Analyzed: 03/28/23
257	20.0	250	ND	103	80-120			
			Source:	E303099-(01	Prepared: 0	3/28/23 A	Analyzed: 03/28/23
256	20.0	250	ND	102	80-120	0.410	20	
-	mg/kg ND 257 257	I Project Name: Project Number: Project Manager Anions Result mg/kg Reporting Limit mg/kg ND 20.0 257 20.0	Image: Project Name: Project Number: Project Number: Project Manager: Image: Project Manager: P	Image: Project Name: Project Number: 01058-0007 Project Number: 01058-0007 Project Manager: Tom Bynum Anions by EPA 300.0/90564 Result mg/kg Spike Level Result mg/kg ND 20.0 257 20.0 257 20.0 257 20.0 257 20.0 257 20.0 257 20.0 257 20.0 257 20.0 257 20.0 257 20.0 Source: Source: 257 20.0	Project Number: 01058-0007 Project Number: 01058-0007 Project Manager: Tom Bynum Anions by EPA 300.0/9056A Result Reporting Spike Source Mg/kg mg/kg mg/kg % ND 20.0 250 103 257 20.0 250 ND 103 257 20.0 250 ND 103 Source: E303099-1 257 20.0 250 ND 103	Image: Project Name: Project Number: 01058-0007 Project Number: 01058-0007 Project Manager: Tom Bynum Anions by EPA 300.0/9056A Result mg/kg Spike Level Result Result mg/kg Rec Limits %% ND 20.0 103 90-110 Source: E303099-01 Source: E303099-01 Source: E303099-01 Source: E303099-01 Source: E303099-01	Image: Project Name: Project Number: 01058-0007 Burton Flat Deep 61 Project Number: 01058-0007 O1058-0007 Project Manager: Tom Bynum Tom Bynum Anions by EPA 300.0/9056A Rec Rec Result mg/kg Spike Mg/kg Source Mg/kg Rec Limit RPD MD 20.0 Prepared: 0 Prepared: 0 ND 20.0 250 103 90-110 Source: E303099-01 Prepared: 0 Source: E303099-01 Prepared: 0 Source: E303099-01 Prepared: 0 Prepared: 0 Source: E303099-01 Prepared: 0 Prepared: 0 Source: E303099-01 Prepared: 0 Prepared: 0 Prepared: 0 Prepared: 0 Prepared: 0	Image: Project Name: Project Number: 01058-0007 Burton Flat Deep 61 Project Number: 01058-0007 Oldoss-0007 Project Manager: Tom Bynum Tom Bynum Anions by EPA 300.0/9056A Rec Rec RPD Limit mg/kg Spike Level Result Result Result Result Result mg/kg RPD Limit RPD RPD ND 20.0 Prepared: 03/28/23 Prepared: 03/28/2

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.



Pima Environmental Services-Carl	bad 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
1.12	many to rist BETECTED at of accite and reporting minit

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.



Client: Pima En Project: Buy to Project Manager	Tom By	Deep U	Attention: 2001 Lab WO# Job Number 1D Address: E303799 Oto550007									TAT EPA Prog 1D 2D 3D Standard CWA Standard 					
Address: 56 14 N City, State, Zip H Phone: 580-748 Email: tom@p Report due by:	lobbs, NI -1613	M <u>, 8824(</u>	Phone Phone Email	Canal Cana		DRO/ORO by 8015	GRO/DRO by 8015	/ 8021			chloride 300.0	ethod	MM	×		State	TX
Time Date Sampled Sampled	Matrix	No. of Containers	Sample ID SI-/'		Lab Number	DRO/OI	GRO/DI	8TEX by 8021	VOC by 8260	Metals 6010	Chlorid		X BGDOC	BGDOC		Remarks	_
8.00 3/23/2: 1.05 1	1		SI-7'		2								$\frac{r}{1}$				
1:10			51-3'		3											_	
5:15			SI-4'		4			_				-					
x:20 x:25			S2 · 1' S2 · 2'		5	1			_			1				0	
*:30			S2-3'		7												
1:35			S2-4'		8	-											
1:40			S3·1' S3·2"		10					-		-	1				
dditional Instru			Z	51/1ing #: 21	11/29		/							tion murt ha	received on ice the d	av they are sample	ed or receiv
(field sampler), attest ate or time of collection elinquished by: (Sig		y and authent ed fraud and r Date	Time	tampering with or intentionally misla Sampled by: HUNTON ceived by: (Signature)	Date		Time	2		packed	in ice at an a	ivg temp	above	o but less that	an 6 °C on subsequent	days.	
elinquished by (Sig	nature)		423 2:00 - 24-23 Time 24-23 1730 R	coved by: (Signature)	Date 324	2)	Time	30		Rece	eived on	ice:	<u>T2</u>	УN	<u>T3</u>		
mple Matrix: (\$ Soil)	lei		24-23 2336	ceived by: (Signerufe)	Date 3.25 Containe	23		:0		AVG	Temp [°]	C l	<u>H</u> er gla:	ss. v - VO	DA		1.65
ote: Samples are di	carded 30 c	lays after re	sults are reported unless other a eceived by the laboratory with t	rrangements are made. Hazardo is COC. The liability of the labora	ous samples wil	be ret	turned	to clie	ent or	dispo	sed of at t	he clie	ntexp	ense. Th	e report for the a	inalysis of the a	above

Client: P	ima Env	ironmen	tal Servi	ces	1	T	Bill To		T			Lat	o Use	e Onl	y		1		TA			age _ 2 EPA Pr	
Project: 1	Burton	Flat 1	eep (ntion: 12	UDN		L	ab W	0#	~~~		Job N	lumb	er	1D 2D 3D Standar			ard	CWA	SDWA	
	Man ager: 56 14 N.				Addr	ess: State, Zip			- 1	E3C	B	34	1	analy	DO'	d Metho	d d			14			RCRA
	e, Zip H)	Phor					T	T	T	Í					T					
	580-748-				Ema	il:			_	8015	8015				_					NIN		State UT AZ	TXI
Report di	tom@pir ue bv:	naoli.cor	n		Pim	a Project #	# 175	X		O by 8	o by 8	8021	3260	010	300.0		NN	¥		X			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Numb	er	DRO/ORO by	GRO/DRO by	BTEX by 8023	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC		,		Remarks	
8150	3/23/23	8	1	S3.3'				11		_							X						
8:55	1		1	53-4'				12					1				1						
9:00		1		84-1'				13	100				T				1						
2:05				54-2'				10	11.114														
7:10				04.3'				IE	5														
7:15				54.4'				14	- 1														
7:20			-	SW1				1	10.0														
9:25				SW/2				18	S														
7:30				SW/3				10	1														
7:35	4	*	×	SW4				20									4	1					
Addition	al Instruc	tions:		Bi	ling	#:	21/12	941															
, (field samp	ler), attest to	the validity	and authent	ticity of this sample. I may be grounds for leg					nple lo	ocation	ka	2	1	Sample packed	s requir in ice a	ing therma t an avg te	al presen mp abov	vation m e 0 but l	ust be re ess than i	ceived on ic 5 °C on subs	e the day t equent da	they are samp ys.	pled or recei
	d by: (Signa		Date			Received by: (S		Date	1-)		ime			Roce	hovie	on ice	/		lse Or	ly		121	
Relinquishe	ed by: (Signa	ature)	Date			Received by: (S	Signature)	Date 324	23		īme	30		T1	cu	onnee	T2			ТЗ	3	2.	
Relinquishe	ed by: (Signa	ature)	- Date	24-23 Z3	30	Received by:	Signature	人 3·25		T	īme	:0	2	AVG	Tom	n°C	4		1				
amole Matr	ix: 5- 50) Sc	I - Solid, Sg -	Sludge, A - A	aueous, 0 - Other		un	shre	Contai	ner T	Type:	g-g	lass	p - pc	oly/pl	astic,	ag - am	nber gl	ass, v	- VOA				-
lote: Samp	oles are disc	arded 30 d	ays after re	sults are reported u eceived by the labo	nless other	arrangements	s are made. Haza	rdous samples v	will be	e retui	med	to clie	ent or	dispo	sed of	at the c	lient ex	cpense	. The	report for	the ana	lysis of the	e above

Project Informatio	on
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Page <u>3</u> of <u>3</u> of <u>by</u>

And CWA SDWA
State IM CO UT AZ TX
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n ice the day they are sampled or receiv ubsequent days.
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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Pima Environmental Services-Carlsbad Da	ate Received:	03/25/23	08:00	Work Order ID:	E303099
Phone:	(575) 631-6977 Da	ate Logged In:	03/24/23	17:16	Logged In By:	Alexa Michaels
Email:		ue Date:	03/31/23	17:00 (4 day TAT)		
Chain o	f Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
	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 tl	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample ter	nperature: 4°	с			
	Container	· _	_			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	ıbel					
20. Were	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name? Preservation		No			
-	s the COC or field labels indicate the samples were prese	erved?	No			
	sample(s) correctly preserved?		NA			
	b filteration required and/or requested for dissolved meta	ıls?	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
	s, does the COC specify which phase(s) is to be analyzed		NA			
	tract Laboratory		- •• •			
	samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: NA		
<u> </u>	Instruction					

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



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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

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 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

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Sample Su	immary

		Sample Sum	mai y		
Pima Environmental Services-Carlsbad		Project Name:	Burton Flat Deep U	Reported:	
PO Box 247		Project Number:	01058-0007		Reporteu.
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.



	~	ampic D								
Pima Environmental Services-Carlsbad	Project Name	: Burt	on Flat Dee	ep Unit 6	1H					
PO Box 247	Project Numb	oer: 0103	58-0007				Reported:			
Plains TX, 79355-0247	Project Mana	ger: Tom	Bynum		8/2/2023 2:27:59PM					
CS1 Bottoms										
		E307183-01								
		Reporting								
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2331017			
Benzene	ND	0.0250	1	l	07/31/23	08/01/23				
Ethylbenzene	ND	0.0250	1	l	07/31/23	08/01/23				
Toluene	ND	0.0250	1	l	07/31/23	08/01/23				
p-Xylene	ND	0.0250	1	l	07/31/23	08/01/23				
o,m-Xylene	ND	0.0500	1	l	07/31/23	08/01/23				
Fotal 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: I	Y		Batch: 2331017			
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	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				
urrogate: Toluene-d8		104 %	70-130		07/31/23	08/01/23				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: ŀ	KM		Batch: 2331023			
Diesel Range Organics (C10-C28)	ND	25.0	1	l	08/01/23	08/01/23				
Dil Range Organics (C28-C36)	ND	50.0	1	l	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: F	BA		Batch: 2331027			
Chloride	ND	20.0	1	l	08/01/23	08/01/23				



	~•	ampic D					
Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Numbe	er: 010:	on Flat De 58-0007		Reported:		
Plains TX, 79355-0247	Project Manag	er: Tom	Bynum	8/2/2023 2:27:59PM			
	0	CS2 Bottoms					
		E307183-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
Foluene	ND	0.0250		1	07/31/23	08/01/23	
p-Xylene	ND	0.0250		1	07/31/23	08/01/23	
o,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	
Dil 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	



	D	ample D	uu								
Pima Environmental Services-Carlsbad	Project Name	: Burt									
PO Box 247		Project Number: 01058-0007					Reported:				
Plains TX, 79355-0247	Project Mana	ger: Tom	Bynum		8/2/2023 2:27:59PM						
CSW1											
		E307183-03									
		Reporting									
Analyte	Result	Limit	Dili	ution	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					
p-Xylene	ND	0.0250		1	07/31/23	08/01/23					
o,m-Xylene	ND	0.0500		1	07/31/23	08/01/23					
Fotal 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/ORC	mg/kg	mg/kg		Analyst:	KM		Batch: 2331023				
Diesel Range Organics (C10-C28)	ND	25.0		1	08/01/23	08/01/23					
Dil 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:	nalyst: BA		Batch: 2331027				
Chloride	ND	20.0		1	08/01/23	08/01/23					



		ampic D					
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Numb Project Manag	er: 0105	on Flat De 8-0007 Bynum		Reported: 8/2/2023 2:27:59PM		
		CSW2 E307183-04					
		Reporting					
Analyte	Result	Limit	Di	lution	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	
p-Xylene	ND	0.0250		1	07/31/23	08/01/23	
o,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:	nalyst: 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	
Dil 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			



		ample D									
Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Numb	Reported:									
Plains TX, 79355-0247	Project Manag		Bynum		8/2/2023 2:27:59PM						
CSW3											
		E307183-05									
		Reporting									
Analyte	Result	Limit	Dil	ution	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					
p-Xylene	ND	0.0250		1	07/31/23	08/01/23					
o,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					
Dil 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					



		ample D						
Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Numb		Burton Flat Deep Unit 61H : 01058-0007					
Plains TX, 79355-0247	Project Manag		Bynum				Reported: 8/2/2023 2:27:59PM	
		CSW4						
		E307183-06						
		Reporting						
Analyte	Result	Limit	Dil	ution	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		
p-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		



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Pima Environmental Services-Carlsbad	Project Name		on Flat De								
PO Box 247	Project Numb		58-0007 D		Reported:						
Plains TX, 79355-0247	Project Mana	ger: Iom	Bynum	8/2/2023 2:27:59PM							
CSW5 E307183-07											
Analyte	Result	Limit	Dil	ution	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					
p-Xylene	ND	0.0250		1	07/31/23	08/01/23					
o,m-Xylene	ND	0.0500		1	07/31/23	08/01/23					
Fotal 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					
Dil 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

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Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		urton Flat Deej 1058-0007	p Unit 61H				Reported:	
Plains TX, 79355-0247		Project Manager:	Т	om 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		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2331017-BLK1)							Prepared: 07	7/31/23 A	nalyzed: 08/01/23	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
p-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 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	7/31/23 A	nalyzed: 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				
p-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	7/31/23 A	nalyzed: 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		
p-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		
Total Aylenes					10.4	70-130				
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-150				
•	0.520 0.484		0.500 0.500		104 96.7	70-130				



QC Summary Data

		QC DI		iary Data	ı					
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Burton Flat Dee 01058-0007 Tom Bynum	p Unit 61H				Reported: 8/2/2023 2:27:59PM	
	No	onhalogenated O	rganio	cs by EPA 801	15D - GR	0		Analyst: IY		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2331017-BLK1)							Prepared: 0	7/31/23 A	nalyzed: 08/01/23	
Gasoline Range Organics (C6-C10)	ND	20.0					1			
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: 0	7/31/23 A	nalyzed: 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: 0	7/31/23 A	nalyzed: 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

		QC D	u 11111	iary Data					
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Burton Flat Dee 01058-0007 Tom Bynum	p Unit 611	H			Reported: 8/2/2023 2:27:59PM
1 millio 17x, 77555 0247	Nash			-					
	INONI	alogenated Org	anics d	OY EPA 80151) - DRU	/UKU			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2331023-BLK1)							Prepared: 0	8/01/23 A	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: 0	8/01/23 A	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: 0	8/01/23 A	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: 0	8/01/23 A	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

		Dan anta da
		Reported: 8/2/2023 2:27:59PM
		Analyst: BA
RPD	RPD Limit	
%	%	Notes
Prepared: 0	8/01/23 A	Analyzed: 08/01/23
Prepared: 0	8/01/23 A	Analyzed: 08/01/23
Prepared: 0	8/01/23 A	analyzed: 08/01/23
Prepared: 0	8/01/23 A	Analyzed: 08/01/23
	repared: 0 repared: 0	repared: 08/01/23 A repared: 08/01/23 A repared: 08/01/23 A repared: 08/01/23 A

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.



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

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.



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lient: Pil	ma Envi	ronment Flat 1	al Servic	ces nit6TH	Atten	tion: Deron		Lab V	NO#	STATISTICS STATES	b Use	: Oni Iob N	y lumb	er _	1D	2D	T/ 3D		ndard	EPA P CWA	SDW
roject M	anager:	Tom By	num		Addre	255:			507	183				5007				198			RCR
		Lovingt			City, S	State, Zip		-				Analy	sis and	d Metho		1	-				ncn.
	80-748-	0613	<u>n, 88240</u>	[2	Emai			315	51											State	T and T
mail: to	om@pin	naoil.con	n			a Project # 278		DRO/ORO by 8015	GRO/DRO by 8015	021	8	9	0.00		WN	ř				UT AZ	TX
eport du					Full		Lab	/ORO	/DRO	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		1.1	1.50			<u></u>	Remarks	de contra
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Number	DRO	GRO	BTB	202	Met	Chlo		BGDOC	BGDOC				Remarks	
8:05	7/29	5		CSI .	1	Bottoms									X						
	1	1			5		2			13											
1:10	-			CS2	/	1. 		-		-		-			++						
8:15				CSWI			3					-			+	-					
8:20				CSWZ			4									1					
8:25				CSW3			5														
8:30			1				Ĩ.														
				CSW4 CSW5			F	1							1	1					
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					im aware th	at tampering with or intentionally mis	labelling the samp	le locat	ion,			pack	ed in ice	at an avg tei	np abov	e 0 but	less tha	n 6 °C on :	subsequent d	y they are sam lays.	pied of rec
and an internal in the second	of collection ed by: (Sign			may be grounds for leg		Sampled by: Received by: (Signature)	L Date 7-3	117	Time	10	2					Labl	Jse C	Dnly	an a		
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Relinguish	ed by: (Sigr	nature)	Dat	the second s	20	Received by Signature	Date	100	Time		n			P -	4					and a second data of	in the second
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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Pima Environmental Services-Carlsbad Da	te Received:	08/01/23	06:00	Work Order ID:	E307183
Phone:	(575) 631-6977 Da	te Logged In:	07/31/23		Logged In By:	Caitlin Mars
Email:		ie Date:		17:00 (0 day TAT)	Logged in Dy.	
Chain of	<u>f Custody (COC)</u>					
1. Does t	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location match	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample '	<u> Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling	·	Yes			
13 If no	visible ice, record the temperature. Actual sample ter	nnerature: 4º	С			
	Container		<u> </u>			
	aqueous VOC samples present?		No			
LD. Are V	VUU samples conected in VUA viais/		NA			
	VOC samples collected in VOA Vials?		NA NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
16. Is the 17. Was :	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses?		NA NA			
16. Is the 17. Was : 18. Are r	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?	collected?	NA NA Yes			
16. Is the 17. Was 18. Are r 19. Is the	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers	collected?	NA NA			
 16. Is the 17. Was = 18. Are r 19. Is the Field La 	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers		NA NA Yes			
 16. Is the 17. Was a 18. Are r 19. Is the Field La 20. Were 	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel		NA NA Yes			
 16. Is the 17. Was a 18. Are r 19. Is the Field La 20. Were S I 	 head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? 		NA NA Yes Yes			
16. Is the 17. Was : 18. Are r 19. Is the Field La 20. Were S I	 head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? 		NA NA Yes Yes			
16. Is the 17. Was a 18. Are r 19. Is the Field La 20. Were S I C Sample	 head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation 	ation:	NA NA Yes Yes Yes No			
16. Is the 17. Was = 18. Are r 19. Is the Field La 20. Were S I C Sample 2 21. Does	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were prese	ation:	NA NA Yes Yes Yes No			
16. Is the 17. Was a 18. Are r 19. Is the Field La 20. Were S I C Sample 21. Does 22. Are s	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were prese sample(s) correctly preserved?	ation: rved?	NA NA Yes Yes Yes No No			
16. Is the 17. Was a 18. Are r 19. Is the Field La 20. Were S Sample 21. Does 22. Are s 24. Is lab	 head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were preservation the COC or rectly preserved? o filteration required and/or requested for dissolved meta 	ation: rved?	NA NA Yes Yes Yes No			
16. Is the 17. Was a 18. Are r 19. Is the Field La 20. Were S I C Sample 21. Does 22. Are s 24. Is lab Multiph	 head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers? bel field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were preserved? o filteration required and/or requested for dissolved meta ase Sample Matrix 	ation: rved?	NA NA Yes Yes No No NA No			
16. Is the 17. Was a 18. Are r 19. Is the Field La 20. Were S I C Sample 1 21. Does 22. Are s 24. Is lab Multiph 26. Does	 head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers bel field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta ase Sample Matrix the sample have more than one phase, i.e., multiphase? 	ation: rved? ls?	NA NA Yes Yes No No No No			
16. Is the 17. Was a 18. Are r 19. Is the Field La 20. Were S I C Sample 21. Does 22. Are s 24. Is lab Multiph 26. Does 27. If yes	 head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers? bel field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were preservation o filteration required and/or requested for dissolved meta ase Sample Matrix the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed 	ation: rved? ls?	NA NA Yes Yes No No NA No			
16. Is the 17. Was a 18. Are r 19. Is the Field La 20. Were S 10. 20. Were S 10. 20. Were S 20. Were S 20. Were S 20. Were S 21. Does 22. Are s 24. Is lab Multiph 26. Does 27. If yes	 head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers? bel field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were preservation required and/or requested for dissolved meta ase Sample Matrix the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed 	ation: rved? ls?	NA NA Yes Yes No No No No			
16. Is the 17. Was a 18. Are r 19. Is the Field La 20. Were S I C Sample 1 21. Does 22. Are s 24. Is lab Multiph 26. Does 27. If yes Subcont 28. Are s	 head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers? bel field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation the COC or field labels indicate the samples were preservation o filteration required and/or requested for dissolved meta ase Sample Matrix the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed 	ation: rved? ls? l?	NA NA Yes Yes No No No No			

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



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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

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 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

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Sample Summ	ary
Project Name	Burton Elat Deen Unit 61H

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	Burton Flat Deep U 01058-0007 Tom Bynum	Init 61H	Reported: 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.



		ampic D					
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Numb		on Flat Dee 58-0007	Donoutodi			
PO Box 247 Plains TX, 79355-0247	Project Numb Project Manag		Bynum				Reported: 8/2/2023 2:27:59PM
	Tiojeet Wanag	ger. Tom	Dynam				0/2/2025 2.27.391 M
	(CS1 Bottoms					
		E307183-01					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY	ζ		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	
p-Xylene	ND	0.0250	1		07/31/23	08/01/23	
o,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	1	Analyst: IY	<i>t</i>		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	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	1	Analyst: B	A		Batch: 2331027
Chloride	ND	20.0	1		08/01/23	08/01/23	



		impic D				
Pima Environmental Services-Carlsbad	Project Name:	Burt	on Flat Deep	Unit 61H		
PO Box 247	Project Numbe	er: 0105	8-0007			Reported:
Plains TX, 79355-0247	Project Manag	er: Tom	Bynum	8/2/2023 2:27:59PM		
	C	CS2 Bottoms				
		E307183-02				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: 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	
p-Xylene	ND	0.0250	1	07/31/23	08/01/23	
o,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	An	alyst: 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	An	alyst: KM		Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/23	08/01/23	
Dil 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	An	alyst: BA		Batch: 2331027
Chloride	ND	20.0	1	08/01/23	08/01/23	



	D	ample D	uu				
Pima Environmental Services-Carlsbad	Project Name	: Burt	on Flat De	ep Unit	61H		
PO Box 247	Project Numb		58-0007				Reported:
Plains TX, 79355-0247	Project Mana	ger: Tom	Bynum	8/2/2023 2:27:59PM			
		CSW1					
		E307183-03					
		Reporting					
Analyte	Result	Limit	Dili	ution	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	
p-Xylene	ND	0.0250		1	07/31/23	08/01/23	
o,m-Xylene	ND	0.0500		1	07/31/23	08/01/23	
Fotal 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/ORC	mg/kg	mg/kg		Analyst:	KM		Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0		1	08/01/23	08/01/23	
Dil 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	



	2	ampic D					
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Mana	oer: 0103	on Flat De 58-0007 Bynum	ep Unit	61H		Reported: 8/2/2023 2:27:59PM
	j	-					
		CSW2 E307183-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
p-Xylene	ND	0.0250		1	07/31/23	08/01/23	
o,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	



	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ample D					
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name Project Numb Project Mana	ber: 0105	on Flat De 58-0007 Bynum	ep Unit	61H		<b>Reported:</b> 8/2/2023 2:27:59PM
	-	CSW3	-				
		E307183-05					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
p-Xylene	ND	0.0250		1	07/31/23	08/01/23	
o,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	
Dil 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	



		ample D					
Pima Environmental Services-Carlsbad	Project Name	: Burt	on Flat De	ep Unit	61H		
PO Box 247	Project Numb		58-0007				Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum		8/2/2023 2:27:59PM		
		CSW4					
		E307183-06					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
p-Xylene	ND	0.0250		1	07/31/23	08/01/23	
o,m-Xylene	ND	0.0500		1	07/31/23	08/01/23	
Fotal 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/ORC	mg/kg	mg/kg		Analyst	KM		Batch: 2331023
Diesel Range Organics (C10-C28)	ND	25.0		1	08/01/23	08/01/23	
Dil 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	



	D	ample D	uu				
Pima Environmental Services-Carlsbad	Project Name		on Flat De	ep Unit	61H		
PO Box 247	Project Numb		58-0007				Reported:
Plains TX, 79355-0247	Project Mana	ger: Tom	Bynum		8/2/2023 2:27:59PM		
		CSW5					
		E307183-07					
		Reporting					
Analyte	Result	Limit	Dil	ution	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	
p-Xylene	ND	0.0250		1	07/31/23	08/01/23	
o,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	
Dil 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**

		<b>QU</b> 5		v					
Pima Environmental Services-Carlsbad		Project Name:	B	urton Flat Dee	p Unit 61H				Reported:
PO Box 247		Project Number:	01	058-0007					
Plains TX, 79355-0247		Project Manager:	To	om Bynum					8/2/2023 2:27:59PM
	V	Volatile Organic	Compo	unds by EP	A 8260B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2331017-BLK1)							Prepared: 07	7/31/23 A	nalyzed: 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	7/31/23 A	nalyzed: 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	7/31/23 A	nalyzed: 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			
	0.404		0.500		067	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	/0-150			

## **QC Summary Data**

		VC DI		lary Date	4				
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		Burton Flat Deep 01058-0007	p Unit 61H	I			Reported:
Plains TX, 79355-0247		Project Manager:		Tom Bynum					8/2/2023 2:27:59PM
	No	onhalogenated O	rgani	es by EPA 801	5D - GF	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2331017-BLK1)							Prepared: 0	7/31/23 A	nalyzed: 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: 0	7/31/23 A	nalyzed: 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: 0	7/31/23 A	nalyzed: 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**

		QC D	u 11111	iary Data					
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Burton Flat Dee 01058-0007 Tom Bynum	p Unit 611	H			<b>Reported:</b> 8/2/2023 2:27:59PM
1 millio 17x, 77555 0247	Nash			-					
	INONI	alogenated Org	anics d	OY EPA 80151	) - DRU	/UKU			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2331023-BLK1)							Prepared: 0	8/01/23 A	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: 0	8/01/23 A	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: 0	8/01/23 A	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: 0	8/01/23 A	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**

		$\mathbf{x} \in \mathbf{z}$							
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Burton Flat Dee 01058-0007 Tom Bynum	p Unit 61H	I			<b>Reported:</b> 8/2/2023 2:27:59PM
		Anions	by EPA	300.0/9056A	1				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits		RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2331027-BLK1)							Prepared: 0	8/01/23 A	Analyzed: 08/01/23
Chloride	ND	20.0							
LCS (2331027-BS1)							Prepared: 0	8/01/23 A	Analyzed: 08/01/23
Chloride	261	20.0	250		105	90-110			
Matrix Spike (2331027-MS1)				Source:	E307183-(	)1	Prepared: 0	8/01/23 A	Analyzed: 08/01/23
Chloride	269	20.0	250	ND	108	80-120			
Matrix Spike Dup (2331027-MSD1)				Source:	E307183-0	)1	Prepared: 0	8/01/23 A	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.



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

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**

Released to Imaging: 8/15/2023 10:05:07 AM

#### Chain of Custody

lient: Pima Environmental Services	Bill To		La	5 05	e Onh	y ····		Γ	-	TA	σ	1	EPA Pr	rogram
roject: Ruschon Flat Decp Unit 6TH	Devan link	b WO#		- 1	Job N	lumbe	er			3D	Stan	dard	CWA	SDWA
roject Manager: Tom Bynum	dress:	307	182	S I		the second s	200+					Sec. A second st		RCRA
ddress: 5614 N. Lovington Hwy.	y, State, Zip	1 1	-		Analys	is and	d Method	1	T	T				nch4
	one:	1											State	
		y 801	E	0		0.0		Σ			N	M CO	UT AZ	TX
Report due by:	ma Project # 278	PRO P	y 802	y 826	s 6010	de 30		NN D	ř		4			
Time Date Matrix No. of Containers Sample ID	nail: ma Project # 278 Lab Number	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC				Remarks	6
8:057129 5 CSI >	Bottoms 1							X						
1:10 1 CS7 5	2													
8:15 CSWI	3													
8:20 CSW2	L.											_		_
8:25 CSW3	5			-							11			
8:30 CSW4														
8:35 - CSW5	17							1=						
								-	-	-				
			1					1	-	_				
								L						
Additional Instructions:	Billing # 211/2941				-1					he s		- tee the day	they are cam	and or rect
, (field sampler), attest to the validity and authenticity of this sample. I am awar	e that tampering with or intentionally mislabelling the sample loc	cation,			Sampi packe	es requi	at an avg ter	mp abo	ve 0 but	less than	n 6 °C on si	ubsequent c	y they are sam days.	pieu or reco
date or time of collection is considered fraud and may be grounds for legal action       Relinquished by: (Signature)       Mrime       Horime       7/31       2:00	Received by: (Signature) MICUIL LUUM UL 7-31-2	23 Time	40	Ø	Rec	eivec	l on ice		Lab I	Use O N	Inly			
Relinquished by: (Signature) Date Time 1715	Received by: (Signature) Date 7.3/.?	23 Time	7	30	n		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	I	Ň			<b>73</b>		
Relinguished by: (Signature) Date Time	Received by Signature Man Date 8/1/23	3 4	0:0	0			np °C	4						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported unless o	Container T	fype: g.	- glass	S. D -	poly/r	plastic	. ag - am	iber p	lass,	v - VOF	A			

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#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Pima Environmental Services-Carlsbad Da	ate Received:	08/01/23	06:00	Work Order ID:	E307183
Phone:	(575) 631-6977 Da	ate Logged In:	07/31/23	15:24	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com De	le Date:	08/01/23	17:00 (0 day TAT)		
Chain of	Custody (COC)					
1. Does t	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location match	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comment	ts/Resolution
Sample 7	<u>Furn Around Time (TAT)</u>					
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (						
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re		Yes			
13 Ifno	minutes of sampling visible ice, record the temperature. Actual sample ter	nnaratura: 1º	r.			
		<u>nperature</u> . <u>1</u>	<u> </u>			
	Container_ iqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La						
	field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
	Preservation	10	N			
	the COC or field labels indicate the samples were prese	ervea?	No			
	ample(s) correctly preserved? filteration required and/or requested for dissolved meta	169	NA			
		113 (	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase?		No			
-	s, does the COC specify which phase(s) is to be analyzed	a <i>r</i>	NA			
	ract Laboratory					
			No			
	amples required to get sent to a subcontract laboratory? a subcontract laboratory specified by the client and if so		NA			

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



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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:	
DEVON ENERGY PRODUCTION COMPANY, LP	6137	
333 West Sheridan Ave.	Action Number:	
Oklahoma City, OK 73102	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	

CONDITIONS

Action 250736