

Incident ID	NAPP2300654469
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.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ 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)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ 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: 3/20/2023
email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: Robert Hamlet Date: 7/31/2023

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: Robert Hamlet Date: 7/31/2023
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

Incident ID	NAPP2300654469
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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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2300654469
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Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 3/20/2023

email: dale.woodall@dnv.com Telephone: 575-748-1839

OCD Only

Received by: Jocelyn Harimon Date: 03/20/2023

Incident ID	NAPP2300654469
District RP	
Facility ID	
Application ID	

Closure

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Printed Name: Dale Woodall Title: Environmental Professional
Signature: Dale Woodall Date: 3/20/2023
email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: Jocelyn Harimon Date: 03/20/2023

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: _____



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

March 10, 2023

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

Re: Site Assessment, Remediation, and Closure Report
Burton Flat Deep Unit 61H
API No. 30-015-43136
GPS: Latitude 32.5076509 Longitude -104.1585985
UL -- J, 2, T21S, R27E
Eddy County, NM
NMOCD Ref. No. NAPP2300654469

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a crude oil release that occurred at the Burton Flat Deep Unit 61H (Burton). The initial C-141 was submitted on January 1, 2023 (Appendix C). This incident was assigned Incident ID NAPP2300654469 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Burton is located approximately five (5) miles northeast of Carlsbad, NM. This spill site is in Unit J, Section 2, Township 21S, Range 27E, Latitude 32.5076509 Longitude -104.1585985, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Eolian deposits. Typically, Holocene to middle Pleistocene. The soil in this area is made up of Gypsum land-Reeves complex, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is 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 groundwater in this area is 27 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 20 feet BGS. The closest waterway is a Avalon Lake is located approximately 4.98 miles to the west of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29

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

Reference Figure 2 for a Topographic Map.

Burton Flat Deep Unit 61H|Devon Energy

Release Information

NAPP2300654469: On January 1, 2023, a stainless tubing for the Murphy had come apart causing fluid onto the pad. The released fluids were calculated to be approximately 6.9 barrels (bbls) of produced water. A vacuum truck was able to recover 1 bbls of standing fluid.

Remediation Activities, Site Assessment, and Soil Sampling Results

On January 25, 2023, Pima mobilized personnel to the site to begin collecting soil samples from spill area. The laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

1-25-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - BURTON FLAT DEEP UNIT 61H								
Sample Date: 1/25/2023		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	CI mg/kg
S-1	1'	ND	ND	ND	86.5	ND	86.5	3480
	3'	ND	ND	ND	300	144	444	675
	5'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	630
	3'	ND	ND	ND	198	125	323	1150
	5'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	171	76.1	247.1	2310
	3'	ND	ND	ND	ND	ND	0	281
	5'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	84	ND	84	28500
	3'	ND	ND	ND	52.8	ND	52.8	258
	5'	ND	ND	ND	ND	ND	0	ND
S-5	1'	ND	ND	ND	ND	ND	0	642
	3'	ND	ND	ND	ND	ND	0	397
	5'	ND	ND	ND	ND	ND	0	ND
S-6	1'	ND	ND	ND	ND	ND	0	434
	3'	ND	ND	ND	57	ND	57	429
	5'	ND	ND	ND	ND	ND	0	ND
S-7	1'	ND	ND	ND	128	60.4	188.4	343
	3'	ND	ND	ND	ND	ND	0	178
	5'	ND	ND	ND	ND	ND	0	ND
SW 1	1'	ND	ND	ND	ND	ND	0	ND
SW 2	1'	ND	ND	ND	ND	ND	0	ND
SW 3	1'	ND	ND	ND	ND	ND	0	ND
SW 4	1'	ND	ND	ND	ND	ND	0	ND
SW 5	1'	ND	ND	ND	ND	ND	0	ND
SW 6	1'	ND	ND	ND	ND	ND	0	ND
BG 1	6"	ND	ND	ND	ND	ND	0	ND
BG 2	6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

On February 23, 2023, the Devon Construction Department mobilized personnel and equipment to begin remediation activities. They began excavating the area to a depth of 3' BGS. The contaminated soil 514 cubic yards were hauled to an approved, lined disposal facility and clean backfill material was brought in.

On March 3, 2023, after sending a 48-hour notification (Appendix C), Pima returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in the following table. A Confirmation Sample Map can be found in Figure 5.

3-3-23 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - BURTON FLAT DEEP UNIT 61H								
Sample Date: 3/3/2023		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	CI mg/kg
CS 1	3'	ND	ND	ND	ND	ND	0	ND
CS 2	3'	ND	ND	ND	ND	ND	0	ND
CS 3	3'	ND	ND	ND	ND	ND	0	ND
CS 4	3'	ND	ND	ND	ND	ND	0	ND
CS 5	3'	ND	ND	ND	ND	ND	0	ND
CS 6	3'	ND	ND	ND	ND	ND	0	ND
CS 7	3'	ND	ND	ND	ND	ND	0	ND
CS 8	3'	ND	ND	ND	ND	ND	0	ND
CS 9	3'	ND	ND	ND	ND	ND	0	ND
CS 10	3'	ND	ND	ND	ND	ND	0	ND
CS 11	3'	ND	ND	ND	ND	ND	0	ND
CS 12	3'	ND	ND	ND	ND	ND	0	ND
CS 13	3'	ND	ND	ND	ND	ND	0	ND
CS 14	3'	ND	ND	ND	ND	ND	0	ND
CS 15	3'	ND	ND	ND	ND	ND	0	ND
CS 16	3'	ND	ND	ND	ND	ND	0	ND
CS 17	3'	ND	ND	ND	ND	ND	0	ND
CS 18	3'	ND	ND	ND	ND	ND	0	ND
CSW 1	3'	ND	ND	ND	ND	ND	0	ND
CSW 2	3'	ND	ND	ND	ND	ND	0	ND
CSW 3	3'	ND	ND	ND	ND	ND	0	ND
CSW 4	3'	ND	ND	ND	ND	ND	0	ND
CSW 5	3'	ND	ND	ND	ND	ND	0	ND
CSW 6	3'	ND	ND	ND	ND	ND	0	ND
CSW 7	3'	ND	ND	ND	ND	ND	0	ND
CSW 8	3'	ND	ND	ND	ND	ND	0	ND
CSW 9	3'	ND	ND	ND	ND	ND	0	ND
CSW 10	3'	ND	ND	ND	ND	ND	0	ND
CSW 11	3'	ND	ND	ND	ND	ND	0	ND
CSW 12	3'	ND	ND	ND	ND	ND	0	ND
CSW 13	3'	ND	ND	ND	ND	ND	0	ND
CSW 14	3'	ND	ND	ND	ND	ND	0	ND
CSW 15	3'	ND	ND	ND	ND	ND	0	ND
CSW 16	3'	ND	ND	ND	ND	ND	0	ND
CSW 17	3'	ND	ND	ND	ND	ND	0	ND
CSW 18	3'	ND	ND	ND	ND	ND	0	ND
CSW 19	3'	ND	ND	ND	ND	ND	0	ND
CSW 20	3'	ND	ND	ND	ND	ND	0	ND
CSW 21	3'	ND	ND	ND	ND	ND	0	ND
CSW 22	3'	ND	ND	ND	ND	ND	0	ND
CSW 23	3'	ND	ND	ND	ND	ND	0	ND
CSW 24	3'	ND	ND	ND	ND	ND	0	ND
CSW 25	3'	ND	ND	ND	ND	ND	0	ND
CSW 26	3'	ND	ND	ND	ND	ND	0	ND
CSW 27	3'	ND	ND	ND	ND	ND	0	ND
CSW 28	3'	ND	ND	ND	ND	ND	0	ND
CSW 29	3'	ND	ND	ND	ND	ND	0	ND
CSW 30	3'	ND	ND	ND	ND	ND	0	ND
CSW 31	3'	ND	ND	ND	ND	ND	0	ND
CSW 32	3'	ND	ND	ND	ND	ND	0	ND
CSW 33	3'	ND	ND	ND	ND	ND	0	ND
CSW 34	3'	ND	ND	ND	ND	ND	0	ND
CSW 35	3'	ND	ND	ND	ND	ND	0	ND
CSW 36	3'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottoms and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was removed then transported to an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and returned to its previous state. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NAPP2300654469 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,



Gio Gomez
Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

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

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – C-141 Form and 48 Hour Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map



4-Site Map

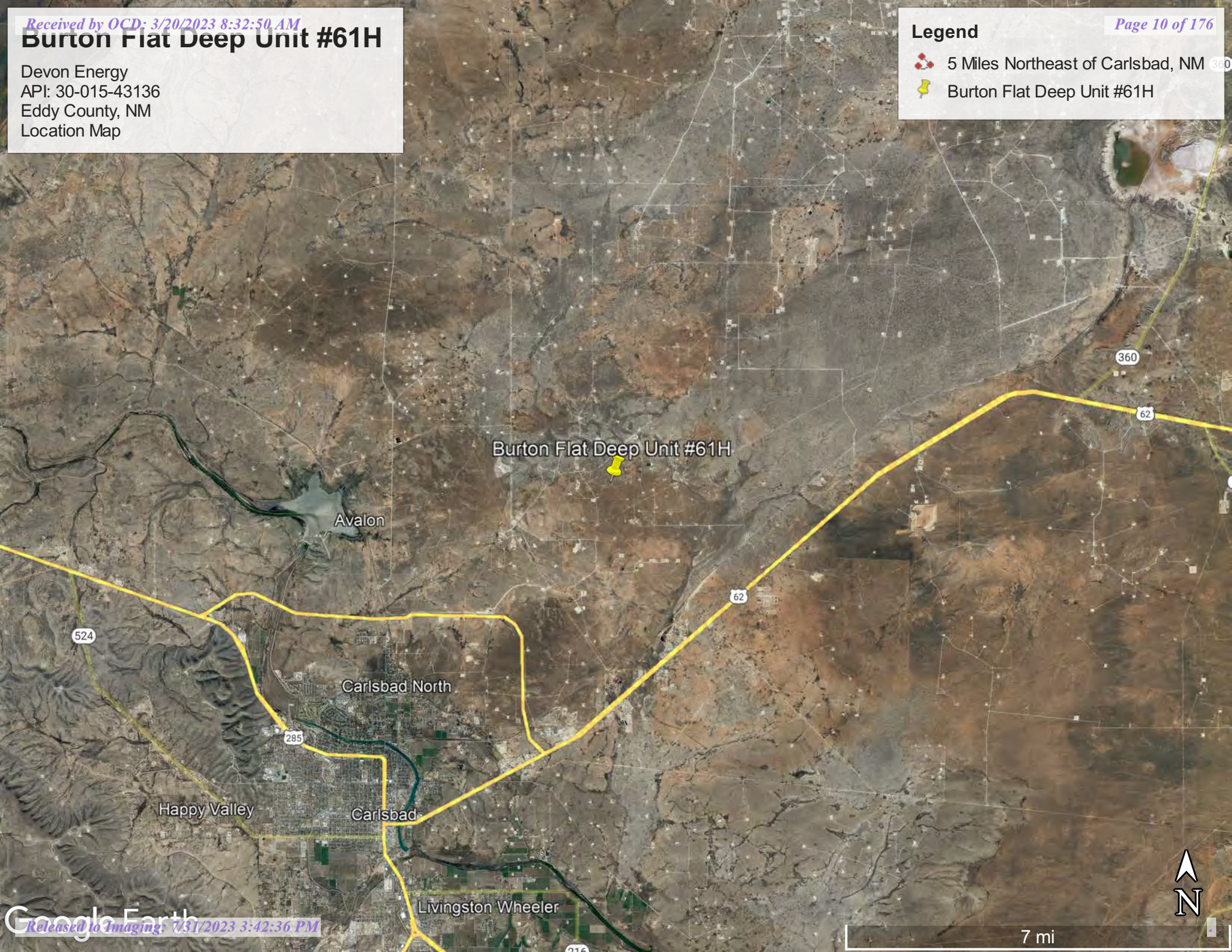
5-Confirmation Sample Map

Burton Flat Deep Unit #61H

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

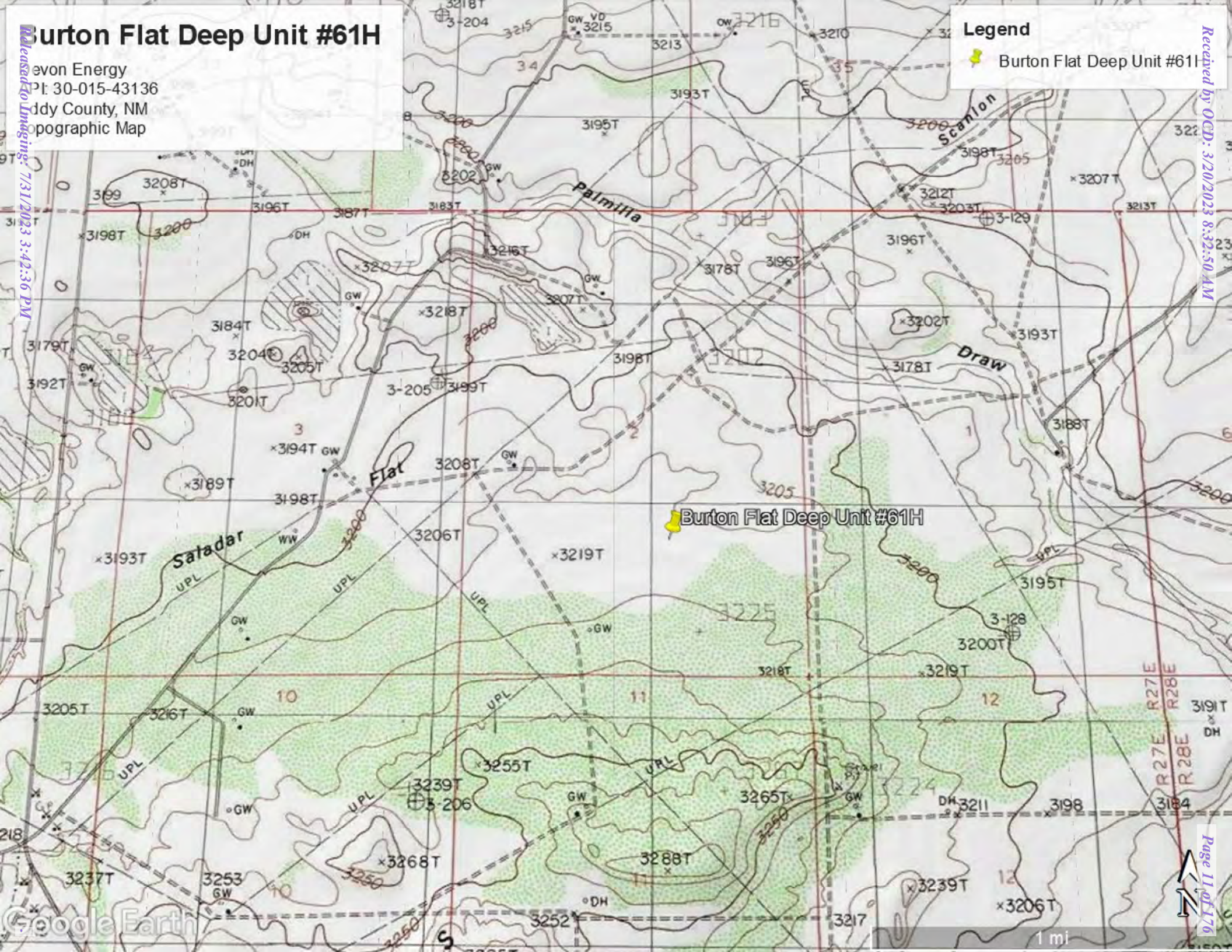
Legend

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



Released to Imaging: 7/31/2023 3:42:36 PM

Burton Flat Deep Unit #61H



Received by OCD: 3/20/2023 8:32:50 AM

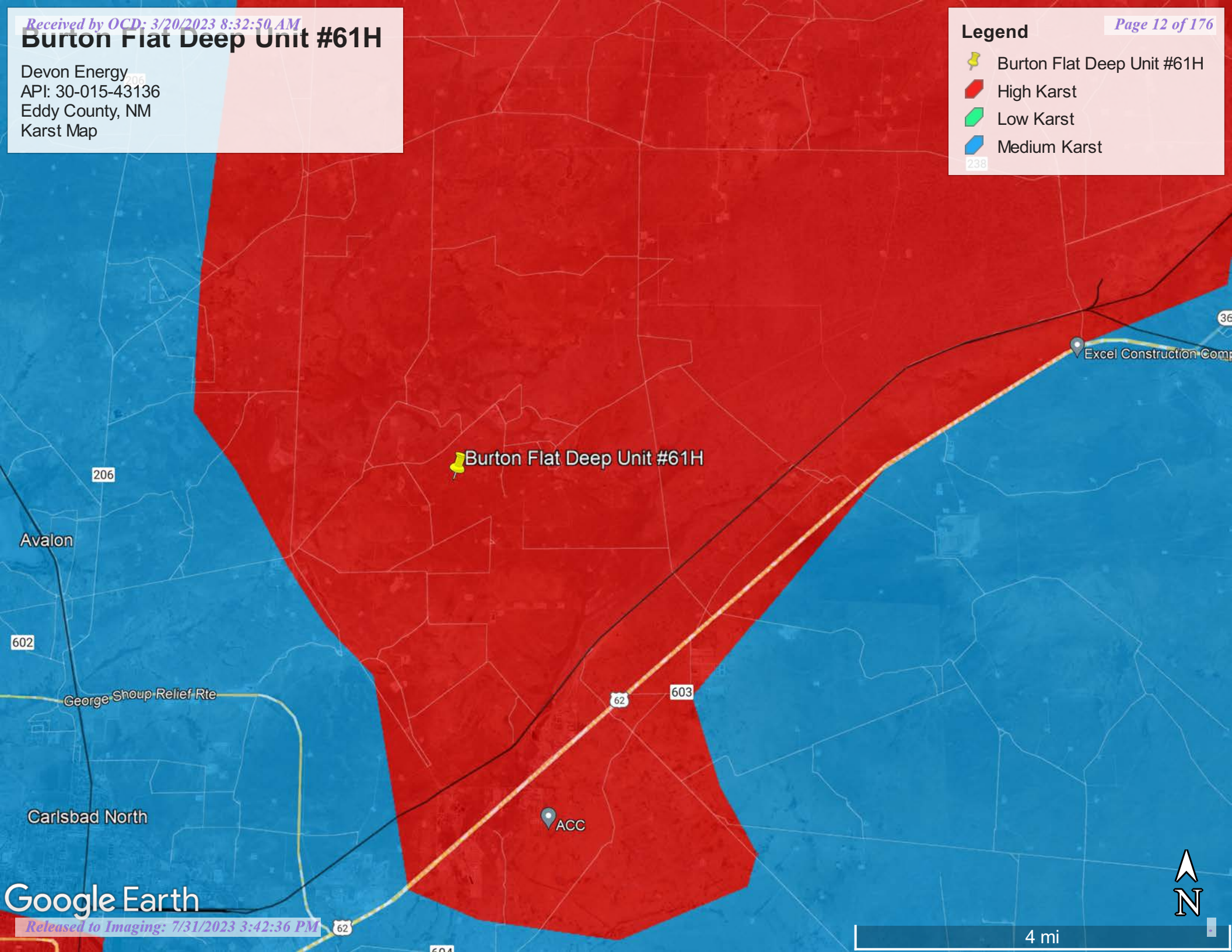
Page 11 of 176

Burton Flat Deep Unit #61H

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

Legend

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



Burton Flat Deep Unit 61H

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

Legend

- Background/Sidewalls
- Burton Flats Unit 61H
- Sampels
- Spil Area 3,534 sqft NAPP2300654469
- Spill Area 1,177 sqft -NAPP2300160892

BG2

BG1

SW2

S3

SW3

S2

SW1

S5

S1

SW4

S6

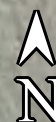
S4

SW6

S7

SW5

Burton Flats Unit 61H






100 ft


Burton Flat Deep Unit 61H

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

Legend

-  Burton Flats Unit 61H
-  Confirmation Sidewalls
-  Confirmation Samples

CSW15
CSW16
CS18
CSW13
CSW12
CSW17
CSW11
CS16
CSW19
CSW21
CSW10
CSW22
CS13
CSW10
CSW8
CS12
CSW25
CS11
CSW7
CSW27
CSW6
CS9
CS8
CSW28
CSW5
CS6
CSW30
CSW3
CS3
CSW1
CSW36
CSW32

 Burton Flats Unit 61H



100 ft



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_00469	C	CUB	ED	1	4	02	21S	27E		579078	3596994*	48	767		
C_03525 POD3		CUB	ED	1	1	1	01	21S	27E	579728	3598332	1484	30		
C_03525 POD2		CUB	ED	2	2	2	02	21S	27E	579676	3598362	1488	29	20	9
C_03525 POD1		CUB	ED	1	1	1	01	21S	27E	579702	3598362	1500	31	20	11
C_03525 POD4		CUB	ED	1	1	1	01	21S	27E	579728	3598362	1511	29		
C_02992		C	ED	3	3	2	01	21S	27E	580594	3597311*	1585	250	186	64
C_01142		C	ED	3	1	4	03	21S	27E	577358	3596873*	1684	100		
C_03689 POD1		C	ED	1	1	2	01	21S	27E	580490	3598014	1762	95	10	85
C_03350		C	ED	1	4	2	01	21S	27E	580896	3597476	1915	76	8	68
C_03268 POD1		CUB	ED	4	2	4	01	21S	27E	581201	3596915	2167	48	13	35
C_02907		C	ED	3	2	1	03	21S	27E	576959	3597669*	2176	52	14	38
C_03690 POD1		C	ED	4	1	4	10	21S	27E	577482	3595179	2407	200		
C_00465	C	CUB	ED	3	2	1	14	21S	27E	578576	3594475*	2584			
C_00473	C	CUB	ED	3	2	14	21S	27E	579087	3594177*	2841	562			

Average Depth to Water: **38 feet**

Minimum Depth: **8 feet**

Maximum Depth: **186 feet**

Record Count: 14

UTM NAD83 Radius Search (in meters):

Easting (X): 579035.95

Northing (Y): 3597018.52

Radius: 3000

*UTM location was derived from PLSS - see Help

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

1/25/23 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:


Groundwater ▼

Geographic Area:

United States ▼

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation



Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

site_no list =

- 323029104103901

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 323029104103901 21S.27E.03.32244

Available data for this site

Groundwater: Field measurements ▼

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

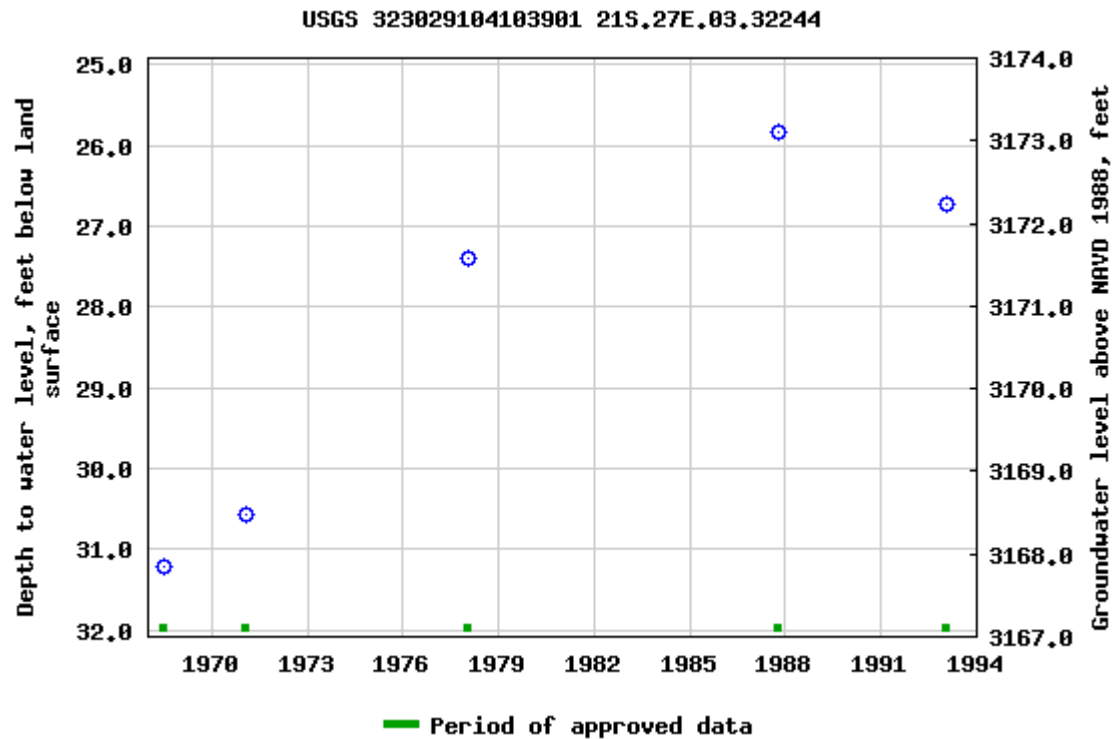
Latitude 32°30'29", Longitude 104°10'39" NAD27

Land-surface elevation 3,199 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

[Table of data](#)
[Tab-separated data](#)
[Graph of data](#)
[Reselect period](#)


Breaks in the plot represent a gap of at least one year between field measurements.

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Title: Groundwater for USA: Water Levels

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



Page Contact Information: [USGS Water Data Support Team](#)


Page Last Modified: 2023-01-25 10:47:49 EST


0.62 0.51 nadww02

Burton Flat Deep Unit #61H

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

Legend

 4.98 Miles

 Burton Flat Deep Unit #61H





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

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

Map Unit Description: Gypsum land-Reeves complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 25 percent

Gypsum, maximum content: 80 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3s

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Minor Components

Unnamed soils

Percent of map unit: 10 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 18, Sep 8, 2022

National Flood Hazard Layer FIRMette



104°27'50"W 32°30'43"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

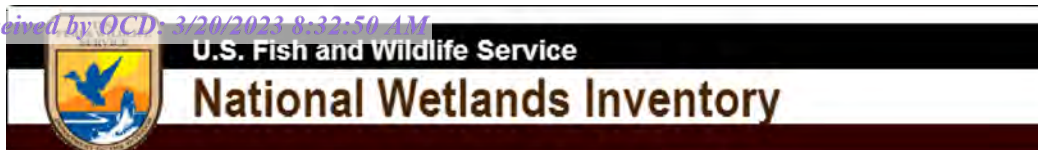


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/8/2023 at 2:05 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Wetlands Map



March 8, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

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



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2300654469
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Dale Woodall	Contact Telephone 575-748-1838
Contact email dale.woodall@dvn.com	Incident # (assigned by OCD) nAPP2300654469
Contact mailing address 205 E. Bender Road # 150; Hobbs, NM 88240	

Location of Release Source

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

Site Name BURTON FLAT DEEP UNIT #61H	Site Type
Date Release Discovered 1/6/2023	API# (if applicable) 30-015-43136

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

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 14	Volume Recovered (bbls) 6
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Lease Operator arrived and found a leak at the wellhead due to a corroded 2" nipple on the pumping tee. The unit was shut down and the rams were closed to prevent any further release.

Incident ID	nAPP2300654469
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? less than 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
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: Dale Woodall	Title: Environmental Professional
Signature: _____	Date: _____
email: dale.woodall@dvn.com	Telephone: 575-748-1838
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	NAPP2300654469
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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAPP2300654469
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 3/20/2023

email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2300654469
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.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ 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)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ 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: 3/20/2023
email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party 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 Confirmation Samples

1 message

Gio PimaOil <gio@pimaoil.com>

Tue, Feb 28, 2023 at 4:43 PM

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

Good Afternoon,

Pima Environmental would like to notify you that we will begin collecting confirmation samples at the Burton Flat Deep Unit 61H for incident NAPP2300654469 & NAPP2300160892. Pima personnel are scheduled to be on site for this sampling event at approximately 7:00 a.m. on Friday, March 3, 2023. If you have any questions or concerns, please let me know. Thank you

--

Gio Gomez

Project Manager

cell-806-782-1151

Office- 575-964-7740

Pima Environmental Services, LLC.



Pima Environmental Services

Appendix D

Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY
BURTON FLAT DEEP UNIT 61H**

Site Assessment





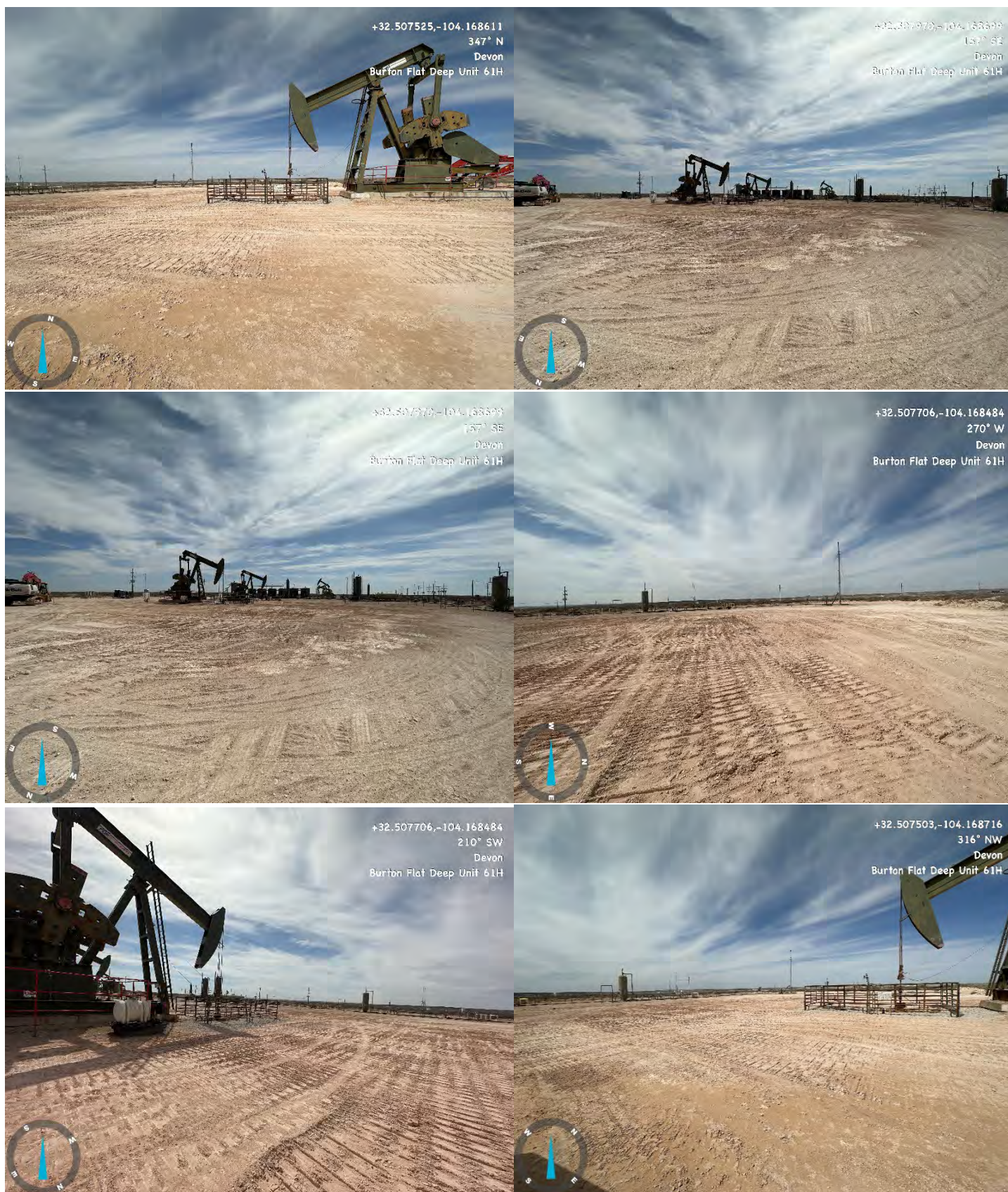
Excavation







Post Excavation





Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Burton Flats 61 H

Work Order: E301148

Job Number: 01058-0007

Received: 1/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/3/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/3/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Burton Flats 61 H
Workorder: E301148
Date Received: 1/28/2023 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/28/2023 7:30:00AM, under the Project Name: Burton Flats 61 H.

The analytical test results summarized in this report with the Project Name: Burton Flats 61 H 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@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

Pima Environmental Services-Carlsbad	Project Name:	Burton Flats 61 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/03/23 09:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-1'	E301148-01A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S1-3'	E301148-02A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S1-5'	E301148-03A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S2-1'	E301148-04A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S2-3'	E301148-05A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S2-5'	E301148-06A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S3-1'	E301148-07A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S3-3'	E301148-08A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S3-5'	E301148-09A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S4-1'	E301148-10A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S4-3'	E301148-11A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S4-5'	E301148-12A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S5-1'	E301148-13A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S5-3'	E301148-14A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S5-5'	E301148-15A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S6-1'	E301148-16A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S6-3'	E301148-17A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S6-5'	E301148-18A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S7-1'	E301148-19A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S7-3'	E301148-20A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
S7-5'	E301148-21A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
SW1	E301148-22A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
SW2	E301148-23A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
SW3	E301148-24A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
SW4	E301148-25A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
SW5	E301148-26A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
BG1	E301148-27A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
BG2	E301148-28A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.
SW6	E301148-29A	Soil	01/25/23	01/28/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S1-1'

E301148-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2305009	
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2305009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.8 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2305006	
Diesel Range Organics (C10-C28)	86.5	25.0	1	01/30/23	01/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/30/23	
<i>Surrogate: n-Nonane</i>						
	95.6 %	50-200		01/30/23	01/30/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2305012	
Chloride	3480	20.0	1	01/30/23	01/30/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S1-3'

E301148-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2305009	
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2305009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2305006	
Diesel Range Organics (C10-C28)	300	25.0	1	01/30/23	01/30/23	
Oil Range Organics (C28-C36)	144	50.0	1	01/30/23	01/30/23	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		01/30/23	01/30/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2305012	
Chloride	675	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S1-5'

E301148-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305006
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/30/23	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	01/30/23	01/30/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305012
Chloride	ND	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S2-1'

E301148-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305006
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/30/23	
<i>Surrogate: n-Nonane</i>						
	96.7 %	50-200		01/30/23	01/30/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305012
Chloride	630	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S2-3'

E301148-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.6 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305006
Diesel Range Organics (C10-C28)	198	25.0	1	01/30/23	01/30/23	
Oil Range Organics (C28-C36)	125	50.0	1	01/30/23	01/30/23	
<i>Surrogate: n-Nonane</i>						
	97.0 %	50-200		01/30/23	01/30/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305012
Chloride	1150	100	5	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S2-5'

E301148-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305006
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/30/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	01/30/23	01/30/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305012
Chloride	ND	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S3-1'

E301148-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305006
Diesel Range Organics (C10-C28)	171	25.0	1	01/30/23	01/30/23	
Oil Range Organics (C28-C36)	76.1	50.0	1	01/30/23	01/30/23	
<i>Surrogate: n-Nonane</i>						
		99.0 %	50-200	01/30/23	01/30/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305012
Chloride	2310	100	5	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S3-3'

E301148-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305006
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305012
Chloride	281	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S3-5'

E301148-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305006
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305012
Chloride	ND	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S4-1'

E301148-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2305009	
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2305009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2305006	
Diesel Range Organics (C10-C28)	84.0	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
<i>Surrogate: n-Nonane</i>						
		96.0 %	50-200	01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2305012	
Chloride	28500	1000	50	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S4-3'

E301148-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.0 %	70-130	01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305006
Diesel Range Organics (C10-C28)	52.8	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305012
Chloride	258	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S4-5'

E301148-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305006
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305012
Chloride	ND	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S5-1'

E301148-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305006
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
<i>Surrogate: n-Nonane</i>						
	96.9 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305012
Chloride	642	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S5-3'

E301148-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2305009	
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2305009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2305006	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2305012	
Chloride	397	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S5-5'

E301148-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2305009	
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2305009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2305006	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2305012	
Chloride	ND	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S6-1'

E301148-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305006
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305012
Chloride	434	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S6-3'

E301148-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305006
Diesel Range Organics (C10-C28)	57.0	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
<i>Surrogate: n-Nonane</i>						
	98.6 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305012
Chloride	429	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S6-5'

E301148-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2305009	
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2305009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2305006	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2305012	
Chloride	ND	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S7-1'

E301148-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305006
Diesel Range Organics (C10-C28)	128	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	60.4	50.0	1	01/30/23	01/31/23	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305012
Chloride	343	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S7-3'

E301148-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Benzene	ND	0.0250	1	01/30/23	02/01/23	
Ethylbenzene	ND	0.0250	1	01/30/23	02/01/23	
Toluene	ND	0.0250	1	01/30/23	02/01/23	
o-Xylene	ND	0.0250	1	01/30/23	02/01/23	
p,m-Xylene	ND	0.0500	1	01/30/23	02/01/23	
Total Xylenes	ND	0.0250	1	01/30/23	02/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		01/30/23	02/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2305009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	02/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		01/30/23	02/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305006
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2305012
Chloride	178	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

S7-5'

E301148-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	94.0 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	102 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	94.0 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	102 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305005
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
Surrogate: n-Nonane	104 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305011
Chloride	ND	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

SW1

E301148-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	93.3 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	102 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	93.3 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	102 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305005
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
Surrogate: n-Nonane	101 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305011
Chloride	ND	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

SW2

E301148-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	90.4 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	101 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	90.4 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	101 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305005
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
Surrogate: n-Nonane	106 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305011
Chloride	ND	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

SW3

E301148-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	92.3 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	93.8 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	101 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	92.3 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	93.8 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	101 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305005
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
Surrogate: n-Nonane	108 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305011
Chloride	ND	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

SW4

E301148-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	94.0 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	94.0 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305005
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
Surrogate: n-Nonane	109 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305011
Chloride	ND	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

SW5

E301148-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	93.3 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	103 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	93.3 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	103 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305005
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
Surrogate: n-Nonane	110 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305011
Chloride	ND	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

BG1

E301148-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	93.2 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	103 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	93.2 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	103 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305005
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
Surrogate: n-Nonane	112 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305011
Chloride	ND	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

BG2

E301148-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	92.4 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: Bromofluorobenzene	92.4 %	70-130		01/30/23	01/30/23	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		01/30/23	01/30/23	
Surrogate: Toluene-d8	104 %	70-130		01/30/23	01/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305007
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
Surrogate: n-Nonane	112 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305011
Chloride	ND	20.0	1	01/30/23	01/31/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flats 61 H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/3/2023 9:01:48AM

SW6

E301148-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Benzene	ND	0.0250	1	01/30/23	01/31/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/31/23	
Toluene	ND	0.0250	1	01/30/23	01/31/23	
o-Xylene	ND	0.0250	1	01/30/23	01/31/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/31/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/31/23	
Surrogate: Bromofluorobenzene	91.4 %	70-130		01/30/23	01/31/23	
Surrogate: 1,2-Dichloroethane-d4	91.5 %	70-130		01/30/23	01/31/23	
Surrogate: Toluene-d8	103 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2305010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/31/23	
Surrogate: Bromofluorobenzene	91.4 %	70-130		01/30/23	01/31/23	
Surrogate: 1,2-Dichloroethane-d4	91.5 %	70-130		01/30/23	01/31/23	
Surrogate: Toluene-d8	103 %	70-130		01/30/23	01/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2305007
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
Surrogate: n-Nonane	117 %	50-200		01/30/23	01/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2305011
Chloride	ND	20.0	1	01/30/23	01/31/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flats 61 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/3/2023 9:01:48AM

Volatile Organic Compounds by EPA 8260B

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
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Blank (2305010-BLK1)

Prepared: 01/30/23 Analyzed: 01/30/23

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	0.453		0.500		90.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

LCS (2305010-BS1)

Prepared: 01/30/23 Analyzed: 01/30/23

Benzene	2.61	0.0250	2.50		104	70-130			
Ethylbenzene	2.62	0.0250	2.50		105	70-130			
Toluene	2.68	0.0250	2.50		107	70-130			
o-Xylene	2.76	0.0250	2.50		110	70-130			
p,m-Xylene	5.28	0.0500	5.00		106	70-130			
Total Xylenes	8.04	0.0250	7.50		107	70-130			
Surrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

Matrix Spike (2305010-MS1)

Source: E301148-21

Prepared: 01/30/23 Analyzed: 01/30/23

Benzene	2.54	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.53	0.0250	2.50	ND	101	45-135			
Toluene	2.60	0.0250	2.50	ND	104	48-130			
o-Xylene	2.68	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.15	0.0500	5.00	ND	103	43-135			
Total Xylenes	7.83	0.0250	7.50	ND	104	43-135			
Surrogate: Bromofluorobenzene	0.473		0.500		94.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

Matrix Spike Dup (2305010-MSD1)

Source: E301148-21

Prepared: 01/30/23 Analyzed: 01/30/23

Benzene	2.53	0.0250	2.50	ND	101	48-131	0.533	23	
Ethylbenzene	2.65	0.0250	2.50	ND	106	45-135	4.38	27	
Toluene	2.70	0.0250	2.50	ND	108	48-130	3.87	24	
o-Xylene	2.80	0.0250	2.50	ND	112	43-135	4.53	27	
p,m-Xylene	5.35	0.0500	5.00	ND	107	43-135	3.75	27	
Total Xylenes	8.15	0.0250	7.50	ND	109	43-135	4.01	27	
Surrogate: Bromofluorobenzene	0.473		0.500		94.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flats 61 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/3/2023 9:01:48AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2305009-BLK1)

Prepared: 01/30/23 Analyzed: 01/30/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			

LCS (2305009-BS1)

Prepared: 01/30/23 Analyzed: 01/30/23

Benzene	4.63	0.0250	5.00		92.5	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.7	70-130			
Toluene	4.80	0.0250	5.00		96.1	70-130			
o-Xylene	4.85	0.0250	5.00		96.9	70-130			
p,m-Xylene	9.51	0.0500	10.0		95.1	70-130			
Total Xylenes	14.4	0.0250	15.0		95.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			

Matrix Spike (2305009-MS1)

Source: E301148-01

Prepared: 01/30/23 Analyzed: 01/30/23

Benzene	4.73	0.0250	5.00	ND	94.6	54-133			
Ethylbenzene	4.76	0.0250	5.00	ND	95.2	61-133			
Toluene	4.90	0.0250	5.00	ND	97.9	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	9.66	0.0500	10.0	ND	96.6	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			

Matrix Spike Dup (2305009-MSD1)

Source: E301148-01

Prepared: 01/30/23 Analyzed: 01/30/23

Benzene	4.41	0.0250	5.00	ND	88.2	54-133	7.05	20	
Ethylbenzene	4.35	0.0250	5.00	ND	86.9	61-133	9.09	20	
Toluene	4.49	0.0250	5.00	ND	89.7	61-130	8.74	20	
o-Xylene	4.48	0.0250	5.00	ND	89.5	63-131	9.09	20	
p,m-Xylene	8.82	0.0500	10.0	ND	88.2	63-131	9.09	20	
Total Xylenes	13.3	0.0250	15.0	ND	88.7	63-131	9.09	20	
Surrogate: 4-Bromochlorobenzene-PID	8.13		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flats 61 H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/3/2023 9:01:48AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2305009-BLK1)

Prepared: 01/30/23 Analyzed: 01/30/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			

LCS (2305009-BS2)

Prepared: 01/30/23 Analyzed: 01/30/23

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0		88.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			

Matrix Spike (2305009-MS2)

Source: E301148-01

Prepared: 01/30/23 Analyzed: 01/31/23

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			

Matrix Spike Dup (2305009-MSD2)

Source: E301148-01

Prepared: 01/30/23 Analyzed: 01/31/23

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.0	70-130	4.45	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flats 61 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/3/2023 9:01:48AM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2305010-BLK1)

Prepared: 01/30/23 Analyzed: 01/30/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.453		0.500		90.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

LCS (2305010-BS2)

Prepared: 01/30/23 Analyzed: 01/30/23

Gasoline Range Organics (C6-C10)	59.8	20.0	50.0		120	70-130			
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike (2305010-MS2)

Source: E301148-21

Prepared: 01/30/23 Analyzed: 01/31/23

Gasoline Range Organics (C6-C10)	65.9	20.0	50.0	ND	132	70-130			M1
Surrogate: Bromofluorobenzene	0.454		0.500		90.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

Matrix Spike Dup (2305010-MSD2)

Source: E301148-21

Prepared: 01/30/23 Analyzed: 01/30/23

Gasoline Range Organics (C6-C10)	58.1	20.0	50.0	ND	116	70-130	12.6	20	
Surrogate: Bromofluorobenzene	0.475		0.500		95.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flats 61 H	Reported: 2/3/2023 9:01:48AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2305005-BLK1)					Prepared: 01/30/23 Analyzed: 01/30/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.0		50.0		100	50-200			

LCS (2305005-BS1)					Prepared: 01/30/23 Analyzed: 01/30/23				
Diesel Range Organics (C10-C28)	234	25.0	250		93.8	38-132			
Surrogate: n-Nonane	49.8		50.0		99.7	50-200			

Matrix Spike (2305005-MS1)					Source: E301146-04		Prepared: 01/30/23 Analyzed: 01/30/23		
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.7	38-132			
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			

Matrix Spike Dup (2305005-MSD1)					Source: E301146-04		Prepared: 01/30/23 Analyzed: 01/30/23		
Diesel Range Organics (C10-C28)	233	25.0	250	ND	93.0	38-132	1.46	20	
Surrogate: n-Nonane	49.2		50.0		98.5	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flats 61 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/3/2023 9:01:48AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2305006-BLK1)

Prepared: 01/30/23 Analyzed: 01/30/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.7		50.0		103	50-200			

LCS (2305006-BS1)

Prepared: 01/30/23 Analyzed: 01/30/23

Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	49.9		50.0		99.8	50-200			

Matrix Spike (2305006-MS1)

Source: E301148-01

Prepared: 01/30/23 Analyzed: 01/30/23

Diesel Range Organics (C10-C28)	372	25.0	250	86.5	114	38-132			
Surrogate: n-Nonane	49.7		50.0		99.4	50-200			

Matrix Spike Dup (2305006-MSD1)

Source: E301148-01

Prepared: 01/30/23 Analyzed: 01/30/23

Diesel Range Organics (C10-C28)	354	25.0	250	86.5	107	38-132	5.11	20	
Surrogate: n-Nonane	47.8		50.0		95.6	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flats 61 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/3/2023 9:01:48AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2305007-BLK1)

Prepared: 01/30/23 Analyzed: 01/31/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.1		50.0		114	50-200			

LCS (2305007-BS1)

Prepared: 01/30/23 Analyzed: 01/31/23

Diesel Range Organics (C10-C28)	247	25.0	250		98.9	38-132			
Surrogate: n-Nonane	55.3		50.0		111	50-200			

Matrix Spike (2305007-MS1)

Source: E301149-02

Prepared: 01/30/23 Analyzed: 01/31/23

Diesel Range Organics (C10-C28)	247	25.0	250	ND	99.0	38-132			
Surrogate: n-Nonane	55.4		50.0		111	50-200			

Matrix Spike Dup (2305007-MSD1)

Source: E301149-02

Prepared: 01/30/23 Analyzed: 01/31/23

Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132	3.67	20	
Surrogate: n-Nonane	55.6		50.0		111	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flats 61 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/3/2023 9:01:48AM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2305011-BLK1)					Prepared: 01/30/23 Analyzed: 01/31/23				
Chloride	ND	20.0							
LCS (2305011-BS1)					Prepared: 01/30/23 Analyzed: 01/31/23				
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2305011-MS1)					Source: E301146-01		Prepared: 01/30/23 Analyzed: 01/31/23		
Chloride	889	200	250	693	78.6	80-120			M2
Matrix Spike Dup (2305011-MSD1)					Source: E301146-01		Prepared: 01/30/23 Analyzed: 01/31/23		
Chloride	912	200	250	693	87.5	80-120	2.48	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flats 61 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/3/2023 9:01:48AM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2305012-BLK1)

Prepared: 01/30/23 Analyzed: 01/30/23

Chloride ND 20.0

LCS (2305012-BS1)

Prepared: 01/30/23 Analyzed: 01/30/23

Chloride 256 20.0 250 102 90-110

Matrix Spike (2305012-MS1)

Source: E301148-01

Prepared: 01/30/23 Analyzed: 01/30/23

Chloride 3710 20.0 250 3480 92.1 80-120

Matrix Spike Dup (2305012-MSD1)

Source: E301148-01

Prepared: 01/30/23 Analyzed: 01/31/23

Chloride 3700 20.0 250 3480 87.4 80-120 0.317 20

QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Burton Flats 61 H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/03/23 09:01

- M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 3

Client: Pima Environmental Services Project: <u>Burton Flats 01H</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Address: City, State, Zip: Phone: Email: Pima Project # <u>1-231</u>		Lab Use Only Lab WO# <u>E301148</u> Job Number <u>0105860007</u> Analysis and Method				TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA	
									State NM CO UT AZ TX <u>X</u>							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks		
10:00	1/25/23	S	1	S1-1'	1							X				
10:05				S1-3'	2											
10:10				S1-5'	3											
10:15				S2-1'	4											
10:20				S2-3'	5											
10:25				S2-5'	6											
10:30				S3-1'	7											
10:35				S3-3'	8											
10:40				S3-5'	9											
10:45				S4-1'	10											
Additional Instructions: <u>Bill to Devon: 211129411</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Audriana Benavidez</u>																
Relinquished by: (Signature) <u>AB</u>		Date <u>1-27-23</u>		Time <u>9:00</u>		Received by: (Signature) <u>Michelle Cuyd</u>		Date <u>1-27-23</u>		Time <u>11:45</u>		Lab Use Only Received on ice: <u>Y</u> / N				
Relinquished by: (Signature) <u>Michelle Cuyd</u>		Date <u>1-27-23</u>		Time <u>2:00</u>		Received by: (Signature) <u>Irene Zizzi</u>		Date <u>01/28/23</u>		Time <u>7:30</u>		T1 _____ T2 _____ T3 _____				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <u>4.0</u>				
Sample Matrix: <u>S</u> - Soil, <u>sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other										Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Project Information

Chain of Custody

Page 2 of 3

Client: Pima Environmental Services Project: <u>Burton Flats Col H</u> Project Manager: Tom Bynum Address: 56 14 N. Lovington Hwy. City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: 580-748-1613 Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: Address: City, State, Zip Phone: Email: Pima Project # <u>1-231</u>					Lab Use Only Lab WO# <u>E301148</u> Job Number <u>010580007</u> Analysis and Method						TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA	
																State NM CO UT AZ TX <u>X</u>					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks			
10:50	1/25/23	S	1	S4-3'	11									X							
10:55				S4-5'	12																
11:00				S5-1'	13																
11:05				S5-3'	14																
11:10				S5-5'	15																
11:15				S6-1'	16																
11:20				S6-3'	17																
11:25				S6-5'	18																
11:30				S7-1'	19																
11:35				S7-3'	20																
Additional Instructions: <u>Bill to Devon: 21112941</u>																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Audrina Berando</u>																					
Relinquished by: (Signature) <u>AB</u> Date <u>1-27-23</u> Time <u>9:00</u>					Received by: (Signature) <u>Michelle Cuyler</u> Date <u>1-27-23</u> Time <u>11:45</u>					Lab Use Only Received on ice: <u>(Y)</u> N											
Relinquished by: (Signature) <u>Michelle Cuyler</u> Date <u>1-27-23</u> Time <u>2:00</u>					Received by: (Signature) <u>Devin Zozz</u> Date <u>1-28-23</u> Time <u>7:30</u>					T1 T2 T3											
Relinquished by: (Signature)					Received by: (Signature)					AVG Temp °C <u>40</u>											
Sample Matrix <u>S</u> - Soil, <u>sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other										Container Type <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA											
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

Project Information

Chain of Custody

Page 3 of 3

Client: Pima Environmental Services Project: <u>Burton Flats Tel H</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Address: City, State, Zip: Phone: Email: Pima Project # <u>1-231</u>					Lab Use Only Lab WO# <u>E301148</u> Job Number <u>01058-0007</u> Analysis and Method						TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA	
															State NM CO UT AZ TX <u>X</u>						
															Remarks						
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	BDOC NM	BDOC TX								
11:40	1/25/23	S	1	ST-5'	21							X									
11:45				SW1	22																
11:50				SW2	23																
11:55				SW3	24																
12:00				SW4	25																
12:05				SW5	26																
12:10				BG1	27																
12:15				BG2	28																
12:20				SW6	29																
Additional Instructions: <u>Bill to Devon: 211/2941</u>																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Rudricana Benandaz</u>																					
Relinquished by: (Signature) <u>AB</u>					Date <u>1-27-23</u> Time <u>9:00</u>		Received by: (Signature) <u>Michelle Cough</u>					Date <u>1-27-23</u> Time <u>11:45</u>		Lab Use Only Received on ice: <u>(V)</u> N							
Relinquished by: (Signature) <u>Michelle Cough</u>					Date <u>1-27-23</u> Time <u>2:00</u>		Received by: (Signature) <u>John B...</u>					Date <u>01-27-23</u> Time <u>7:30</u>		T1 T2 T3							
Relinquished by: (Signature)					Date		Received by: (Signature)					Date		AVG Temp °C <u>4.0</u>							
Sample Matrix: <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other																					
Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA																					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					



Envirotech Analytical Laboratory

Printed: 1/28/2023 1:18:27PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	01/28/23 07:30	Work Order ID:	E301148
Phone:	(575) 631-6977	Date Logged In:	01/28/23 13:14	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	02/03/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Burton Flat Deep Unit 61H

Work Order: E303016

Job Number: 01058-0007

Received: 3/7/2023

Revision: 0

Report Reviewed By:

Draft

Walter Hinchman
Laboratory Director
3/7/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 3/7/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Burton Flat Deep Unit 61H
Workorder: E303016
Date Received: 3/7/2023 7:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/7/2023 7:00:00AM, 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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Cell: 505-320-4759
ljjarboe@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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Chain of Custody etc.	27

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/07/23 17:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E303016-01A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS2	E303016-02A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS3	E303016-03A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS4	E303016-04A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS5	E303016-05A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS6	E303016-06A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS7	E303016-07A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS8	E303016-08A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS9	E303016-09A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS10	E303016-10A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS11	E303016-11A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS12	E303016-12A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS13	E303016-13A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS14	E303016-14A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS15	E303016-15A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS16	E303016-16A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS17	E303016-17A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CS18	E303016-18A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW1	E303016-19A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW2	E303016-20A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS1

E303016-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2310009	
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2310009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2310015	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
	87.1 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2310012	
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS2

E303016-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.8 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
	84.1 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS3

E303016-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
	97.5 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS4

E303016-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.5 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		76.6 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS5

E303016-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.3 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		97.9 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS6

E303016-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS7

E303016-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.9 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		93.0 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS8

E303016-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS9

E303016-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.7 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		99.5 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS10

E303016-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.0 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS11

E303016-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS12

E303016-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.7 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		97.9 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS13

E303016-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.5 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS14

E303016-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.7 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS15

E303016-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.4 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS16

E303016-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.9 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS17

E303016-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.2 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CS18

E303016-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		99.1 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CSW1

E303016-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.0 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 5:13:01PM

CSW2

E303016-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310009
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.2 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2310015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310012
Chloride	ND	20.0	1	03/07/23	03/07/23	



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/07/23 17:13

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

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

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





Project Information

Chain of Custody

Page 2 of 6

Client: Pima Environmental Services Project: <u>Burton Flat Deep Unit W/H</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-231</u>					Lab Use Only Lab WO# <u>303016</u> Job Number <u>01058-0007</u> Analysis and Method					TAT 1D 2D 3D Standard				EPA Program CWA SDWA RCRA	
														State NM CO UT AZ TX						
														NM CO UT AZ TX						
														Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX							
8:50	3/3/23	S	1	CS11	11							X								
8:55				CS12	12															
9:00				CS13	13															
9:05				CS14	14															
9:10				CS15	15															
9:15				CS16	16															
9:20				CS17	17															
9:25				CS18	18															
9:30				CSW1	19															
9:35				CSW2	20															

Additional Instructions: Billing #: 21112941

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

Relinquished by: (Signature) AB Date 3-6-23 Time 2:00

Relinquished by: (Signature) Muelle Gung Date 3-6-23 Time 1715

Relinquished by: (Signature) Lorenzo Lei Date 3-6-23 Time 2300

Sampled by: Audriana Benavidez

Received by: (Signature) Muelle Gung Date 3-6-23 Time 1400

Received by: (Signature) Lorenzo Lei Date 3-6-23 Time 1715

Received by: (Signature) June 3137 Date 3/7/23 Time 7:00

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Received on ice: Y N

T1 T2 T3

AVG Temp °C 4.0

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/7/2023 8:42:56AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	03/07/23 07:00	Work Order ID:	E303016
Phone:	(575) 631-6977	Date Logged In:	03/06/23 14:50	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	03/07/23 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Due to high sample volume for project (Burton Flat Deep Unit 61H) this has been separated into 3 workorders. Workorders are as follows: E303016; E303017; and E303018.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Burton Flat Deep Unit 61H

Work Order: E303017

Job Number: 01058-0007

Received: 3/7/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/8/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 3/8/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Burton Flat Deep Unit 61H
Workorder: E303017
Date Received: 3/7/2023 7:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/7/2023 7:00:00AM, 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 regarding 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
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/08/23 13:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW3	E303017-01A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW4	E303017-02A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW5	E303017-03A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW6	E303017-04A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW7	E303017-05A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW8	E303017-06A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW9	E303017-07A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW10	E303017-08A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW11	E303017-09A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW12	E303017-10A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW13	E303017-11A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW14	E303017-12A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW15	E303017-13A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW16	E303017-14A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW17	E303017-15A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW18	E303017-16A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW19	E303017-17A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW20	E303017-18A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW21	E303017-19A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW22	E303017-20A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW3

E303017-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	92.0 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	106 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	92.0 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	106 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	78.9 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW4

E303017-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	93.1 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	106 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	93.1 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	106 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	75.1 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW5

E303017-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	93.5 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	107 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	93.5 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	107 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	81.8 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW6

E303017-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	92.3 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	106 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	92.3 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	106 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	79.0 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW7

E303017-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	93.9 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	105 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	93.9 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	105 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	96.2 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW8

E303017-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	93.0 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	104 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	93.0 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	104 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	99.7 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW9

E303017-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	93.8 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	103 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	93.8 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	103 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	98.9 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW10

E303017-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	94.0 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	105 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	94.0 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	105 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	98.6 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW11

E303017-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	92.8 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	106 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	92.8 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	106 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	98.0 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW12

E303017-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	92.4 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	105 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	92.4 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	105 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	97.6 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW13

E303017-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	118 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	98.9 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	118 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	98.9 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	98.8 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW14

E303017-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	97.1 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	115 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	98.8 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	97.1 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	115 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	98.8 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	97.9 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW15

E303017-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene		101 %	70-130	03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	03/06/23	03/07/23	
Surrogate: Toluene-d8		100 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene		101 %	70-130	03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	03/06/23	03/07/23	
Surrogate: Toluene-d8		100 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane		97.5 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW16

E303017-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	122 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	101 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	122 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	101 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	98.8 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW17

E303017-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	99.7 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	101 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	99.7 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	101 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	94.8 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW18

E303017-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	99.1 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	121 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	101 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	99.1 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	121 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	101 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	100 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW19

E303017-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	99.8 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	103 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	99.8 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	103 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	93.4 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW20

E303017-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	101 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	101 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	94.0 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW21

E303017-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	91.7 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	106 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	91.7 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	106 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	95.3 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:28:03PM

CSW22

E303017-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	94.1 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	106 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310010
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
Surrogate: Bromofluorobenzene	94.1 %	70-130		03/06/23	03/07/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/06/23	03/07/23	
Surrogate: Toluene-d8	106 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310018
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
Surrogate: n-Nonane	99.6 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310013
Chloride	ND	20.0	1	03/07/23	03/07/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/8/2023 1:28:03PM

Volatile Organic Compounds by EPA 8260B

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
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Blank (2310010-BLK1)

Prepared: 03/06/23 Analyzed: 03/07/23

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	0.461		0.500		92.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS (2310010-BS1)

Prepared: 03/06/23 Analyzed: 03/07/23

Benzene	2.12	0.0250	2.50		84.9	70-130			
Ethylbenzene	2.28	0.0250	2.50		91.0	70-130			
Toluene	2.24	0.0250	2.50		89.6	70-130			
o-Xylene	2.34	0.0250	2.50		93.7	70-130			
p,m-Xylene	4.64	0.0500	5.00		92.8	70-130			
Total Xylenes	6.98	0.0250	7.50		93.1	70-130			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

Matrix Spike (2310010-MS1)

Source: E303017-01

Prepared: 03/06/23 Analyzed: 03/07/23

Benzene	2.20	0.0250	2.50	ND	88.2	48-131			
Ethylbenzene	2.37	0.0250	2.50	ND	94.7	45-135			
Toluene	2.33	0.0250	2.50	ND	93.4	48-130			
o-Xylene	2.43	0.0250	2.50	ND	97.0	43-135			
p,m-Xylene	4.81	0.0500	5.00	ND	96.2	43-135			
Total Xylenes	7.23	0.0250	7.50	ND	96.4	43-135			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike Dup (2310010-MSD1)

Source: E303017-01

Prepared: 03/06/23 Analyzed: 03/07/23

Benzene	2.14	0.0250	2.50	ND	85.5	48-131	3.06	23	
Ethylbenzene	2.30	0.0250	2.50	ND	92.0	45-135	2.96	27	
Toluene	2.28	0.0250	2.50	ND	91.2	48-130	2.32	24	
o-Xylene	2.36	0.0250	2.50	ND	94.4	43-135	2.72	27	
p,m-Xylene	4.66	0.0500	5.00	ND	93.3	43-135	3.03	27	
Total Xylenes	7.03	0.0250	7.50	ND	93.7	43-135	2.92	27	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/8/2023 1:28:03PM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2310010-BLK1)

Prepared: 03/06/23 Analyzed: 03/07/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.461		0.500		92.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS (2310010-BS2)

Prepared: 03/06/23 Analyzed: 03/07/23

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.3	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike (2310010-MS2)

Source: E303017-01

Prepared: 03/06/23 Analyzed: 03/07/23

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike Dup (2310010-MSD2)

Source: E303017-01

Prepared: 03/06/23 Analyzed: 03/07/23

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	70-130	4.73	20	
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/8/2023 1:28:03PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2310018-BLK1)

Prepared: 03/07/23 Analyzed: 03/07/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.5		50.0		82.9	50-200			

LCS (2310018-BS1)

Prepared: 03/07/23 Analyzed: 03/07/23

Diesel Range Organics (C10-C28)	180	25.0	250		72.0	38-132			
Surrogate: n-Nonane	40.3		50.0		80.5	50-200			

Matrix Spike (2310018-MS1)

Source: E303017-01

Prepared: 03/07/23 Analyzed: 03/07/23

Diesel Range Organics (C10-C28)	170	25.0	250	ND	68.0	38-132			
Surrogate: n-Nonane	38.6		50.0		77.3	50-200			

Matrix Spike Dup (2310018-MSD1)

Source: E303017-01

Prepared: 03/07/23 Analyzed: 03/07/23

Diesel Range Organics (C10-C28)	170	25.0	250	ND	68.0	38-132	0.0104	20	
Surrogate: n-Nonane	39.7		50.0		79.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/8/2023 1:28:03PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2310013-BLK1)					Prepared: 03/07/23 Analyzed: 03/07/23				
Chloride	ND	20.0							
LCS (2310013-BS1)					Prepared: 03/07/23 Analyzed: 03/07/23				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2310013-MS1)					Source: E303017-10		Prepared: 03/07/23 Analyzed: 03/07/23		
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2310013-MSD1)					Source: E303017-10		Prepared: 03/07/23 Analyzed: 03/07/23		
Chloride	252	20.0	250	ND	101	80-120	0.378	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/08/23 13:28

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

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

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

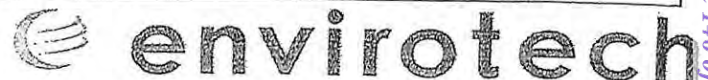


Project Information

Chain of Custody

Page 3 of 6

Client: Pima Environmental Services Project: <u>Burton Flat Deep unit lot H</u> Project Manager: Tom Bynum Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-231</u>					Lab Use Only Lab WO# <u>E303017</u> Job Number <u>01058-0007</u> Analysis and Method DRO/RO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 500.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard EPA Program CWA SDWA RCRA State NM CO UT AZ TX				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks													
9:40	3/3/23	S	1	CSW3	1	<div style="position: relative; height: 100px;"> X </div>													
9:45				CSW4	2														
9:50				CSW5	3														
9:55				CSW6	4														
10:00				CSW7	5														
10:05				CSW8	6														
10:10				CSW9	7														
10:15				CSW10	8														
10:20				CSW11	9														
10:25				CSW12	10														
Additional Instructions:						Billings #: 211/2941 I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Relinquished by: (Signature) <u>AB</u> Date <u>3-6-23</u> Time <u>2:00</u> Relinquished by: (Signature) <u>Michelle Camp</u> Date <u>3-6-23</u> Time <u>175</u> Relinquished by: (Signature) <u>Lorenzo</u> Date <u>3-6-23</u> Time <u>2300</u> Sample Matrix: S - Soil, sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.													
						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Received on ice: <u>Y</u> / N T1 T2 T3 AVG Temp °C <u>4.0</u> Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													



Project Information

Chain of Custody

Page 4 of 6

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

Bill To
 Attention: Duron
 Address:
 City, State, Zip
 Phone:
 Email:
 Pima Project # 1-231

Lab Use Only						TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA	RCRA		State	
<u>303017</u>	<u>0058-0057</u>	<u>X</u>								NM	CO
Analysis and Method											
DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX				
						<u>X</u>					
								Remarks			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number
10:30	3/3/23	S	1	CSW 13	11
10:35				CSW 14	12
10:40				CSW 15	13
10:45				CSW 16	14
10:50				CSW 17	15
10:55				CSW 18	16
11:00				CSW 19	17
11:05				CSW 20	18
11:10				CSW 21	19
11:15				CSW 22	20

Additional Instructions:

Billing #: 21112941

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	3-6-23	2:00	<u>Michelle Guys</u>	3-6-23	1400
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>Michelle Guys</u>	3-6-23	1715	<u>Lorenzo Pen</u>	3-6-23	1715
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>Lorenzo Pen</u>	3-6-23	2300	<u>Dune 3181</u>	3/7/23	7:00

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 40

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

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

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



Envirotech Analytical Laboratory

Printed: 3/7/2023 8:46:05AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	03/07/23 07:00	Work Order ID:	E303017
Phone:	(575) 631-6977	Date Logged In:	03/06/23 14:56	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	03/07/23 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Due to high sample volume for project (Burton Flat Deep Unit 61H) this has been separated into 3 workorders. Workorders are as follows: E303016; E303017; and E303018.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Burton Flat Deep Unit 61H

Work Order: E303018

Job Number: 01058-0007

Received: 3/7/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/8/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 3/8/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Burton Flat Deep Unit 61H
Workorder: E303018
Date Received: 3/7/2023 7:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/7/2023 7:00:00AM, 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 regarding 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
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Chain of Custody etc.

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 61H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 03/08/23 13:29
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW23	E303018-01A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW24	E303018-02A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW25	E303018-03A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW26	E303018-04A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW27	E303018-05A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW28	E303018-06A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW29	E303018-07A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW30	E303018-08A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW31	E303018-09A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW32	E303018-10A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW33	E303018-11A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW34	E303018-12A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW35	E303018-13A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.
CSW36	E303018-14A	Soil	03/03/23	03/07/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:29:57PM

CSW23

E303018-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2310011	
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	104 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2310011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.8 %	70-130		03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2310021	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
	78.6 %	50-200		03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2310014	
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:29:57PM

CSW24

E303018-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.6 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		76.9 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310014
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:29:57PM

CSW25

E303018-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2310011	
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2310011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.2 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2310021	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		80.2 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2310014	
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:29:57PM

CSW26

E303018-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.3 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		99.1 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310014
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:29:57PM

CSW27

E303018-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.4 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310014
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:29:57PM

CSW28

E303018-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.9 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310014
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:29:57PM

CSW29

E303018-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.6 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310014
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:29:57PM

CSW30

E303018-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.2 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		97.1 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310014
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:29:57PM

CSW31

E303018-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		99.9 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310014
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:29:57PM

CSW32

E303018-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.9 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310014
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:29:57PM

CSW33

E303018-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.7 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310014
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:29:57PM

CSW34

E303018-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.9 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		99.7 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310014
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:29:57PM

CSW35

E303018-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.8 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		84.6 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310014
Chloride	ND	20.0	1	03/07/23	03/07/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 61H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/8/2023 1:29:57PM

CSW36

E303018-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Benzene	ND	0.0250	1	03/06/23	03/07/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/07/23	
Toluene	ND	0.0250	1	03/06/23	03/07/23	
o-Xylene	ND	0.0250	1	03/06/23	03/07/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/07/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310011
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.5 %	70-130	03/06/23	03/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		81.5 %	50-200	03/07/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310014
Chloride	ND	20.0	1	03/07/23	03/07/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/8/2023 1:29:57PM

Volatile Organics by EPA 8021B

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
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Blank (2310011-BLK1)

Prepared: 03/06/23 Analyzed: 03/07/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	70-130			

LCS (2310011-BS1)

Prepared: 03/06/23 Analyzed: 03/08/23

Benzene	4.57	0.0250	5.00		91.4	70-130			
Ethylbenzene	4.61	0.0250	5.00		92.2	70-130			
Toluene	4.74	0.0250	5.00		94.9	70-130			
o-Xylene	4.73	0.0250	5.00		94.7	70-130			
p,m-Xylene	9.35	0.0500	10.0		93.5	70-130			
Total Xylenes	14.1	0.0250	15.0		93.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.2	70-130			

Matrix Spike (2310011-MS1)

Source: E303018-01

Prepared: 03/06/23 Analyzed: 03/08/23

Benzene	4.74	0.0250	5.00	ND	94.8	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.3	61-133			
Toluene	4.91	0.0250	5.00	ND	98.2	61-130			
o-Xylene	4.91	0.0250	5.00	ND	98.2	63-131			
p,m-Xylene	9.66	0.0500	10.0	ND	96.6	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			

Matrix Spike Dup (2310011-MSD1)

Source: E303018-01

Prepared: 03/06/23 Analyzed: 03/08/23

Benzene	4.85	0.0250	5.00	ND	96.9	54-133	2.24	20	
Ethylbenzene	4.86	0.0250	5.00	ND	97.3	61-133	2.05	20	
Toluene	5.01	0.0250	5.00	ND	100	61-130	2.08	20	
o-Xylene	5.01	0.0250	5.00	ND	100	63-131	1.92	20	
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	63-131	2.09	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.1	63-131	2.03	20	
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/8/2023 1:29:57PM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2310011-BLK1)

Prepared: 03/06/23 Analyzed: 03/07/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			

LCS (2310011-BS2)

Prepared: 03/06/23 Analyzed: 03/08/23

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0		97.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

Matrix Spike (2310011-MS2)

Source: E303018-01

Prepared: 03/06/23 Analyzed: 03/08/23

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			

Matrix Spike Dup (2310011-MSD2)

Source: E303018-01

Prepared: 03/06/23 Analyzed: 03/08/23

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.9	70-130	2.54	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	Reported: 3/8/2023 1:29:57PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2310021-BLK1)					Prepared: 03/07/23 Analyzed: 03/08/23				
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 (2310021-BS1)					Prepared: 03/07/23 Analyzed: 03/08/23				
Diesel Range Organics (C10-C28)	227	25.0	250		91.0	38-132			
Surrogate: n-Nonane	49.4		50.0		98.8	50-200			

Matrix Spike (2310021-MS1)					Source: E303018-05		Prepared: 03/07/23 Analyzed: 03/08/23		
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.9	38-132			
Surrogate: n-Nonane	50.4		50.0		101	50-200			

Matrix Spike Dup (2310021-MSD1)					Source: E303018-05		Prepared: 03/07/23 Analyzed: 03/08/23		
Diesel Range Organics (C10-C28)	230	25.0	250	ND	91.9	38-132	3.21	20	
Surrogate: n-Nonane	46.9		50.0		93.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/8/2023 1:29:57PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2310014-BLK1)

Prepared: 03/07/23 Analyzed: 03/07/23

Chloride ND 20.0

LCS (2310014-BS1)

Prepared: 03/07/23 Analyzed: 03/07/23

Chloride 251 20.0 250 100 90-110

Matrix Spike (2310014-MS1)

Source: E303018-03

Prepared: 03/07/23 Analyzed: 03/07/23

Chloride 254 20.0 250 ND 101 80-120

Matrix Spike Dup (2310014-MSD1)

Source: E303018-03

Prepared: 03/07/23 Analyzed: 03/07/23

Chloride 254 20.0 250 ND 102 80-120 0.219 20

QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Burton Flat Deep Unit 61H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/08/23 13:29

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

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

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

Client: Pima Environmental Services			Bill To			Lab Use Only			TAT			EPA Program																											
Project: Burton Flat Deep Unit 11H			Attention: Devon			Lab WO# E 303018			Job Number 0058-0007			CWA		SDWA																									
Project Manager: Tom Bynum			Address:			Analysis and Method			1D			2D		3D																									
Address: 5614 N. Lovington Hwy.			City, State, Zip			DRO/ORO by 8015			GRO/DRO by 8015			BTEX by 8021																											
City, State, Zip: Hobbs, NM, 88240			Phone:			VOC by 8260			Metals 6010			Chloride 300.0																											
Phone: 580-748-1613			Email:			BGDOC NM			BGDOC TX			Standard																											
Email: tom@pimaoil.com			Pima Project # 1-231			Remarks			NM			CO																											
Report due by:																																							
Time Sampled			Date Sampled			Matrix			No. of Containers			Sample ID			Lab Number																								
11:20			3/3/23			S			1			CSW 23			1																								
11:25												CSW 24			2																								
11:30												CSW 25			3																								
11:35												CSW 26			4																								
11:40												CSW 27			5																								
11:45												CSW 28			6																								
11:50												CSW 29			7																								
11:55												CSW 30			8																								
12:00												CSW 31			9																								
12:05												CSW 32			10																								
Additional Instructions:															Billing #: 2112941																								
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.															Sampled by: Audriana Benavidez																								
Relinquished by: (Signature) AB					Date 3-6-23					Time 2:00					Received by: (Signature) Michelle Cuyk					Date 3-6-23					Time 1400					Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature) Michelle Cuyk					Date 3-6-23					Time 1715					Received by: (Signature) Lorena					Date 3-6-23					Time 1715					Lab Use Only									
Relinquished by: (Signature) Lorena					Date 3-6-23					Time 2300					Received by: (Signature) Devon					Date 3/7/23					Time 7:00					Received on ice: Y/N									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other															Container Type: g - glass , p - poly/plastic, ag - amber glass, v - VOA															T1 T2 T3									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																														AVG Temp °C 4.0									

Client: Pima Environmental Services						Bill To						Lab Use Only								TAT				EPA Program																					
Project: <u>Buxton Flat Deep Unit WH</u>						Attention: <u>DENVER</u>						Lab WO# <u>E 303018</u>				Job Number <u>01058-0007</u>				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Standard	CWA	SDWA																				
Project Manager: Tom Bynum						Address:						Analysis and Method																																	
Address: <u>5614 N. Lovington Hwy.</u>						City, State, Zip						<input type="checkbox"/> DRO by 8015				<input type="checkbox"/> GRO/DRO by 8015				<input type="checkbox"/> BTEX by 8021				<input type="checkbox"/> VOC by 8260				<input type="checkbox"/> Metals 6010				<input type="checkbox"/> Chloride 300.0				<input type="checkbox"/> BGDOC NM				<input type="checkbox"/> BGDOC TX					
City, State, Zip <u>Hobbs, NM, 88240</u>						Phone:																																							
Phone: <u>580-748-1613</u>						Email:																																							
Email: <u>tom@pimaoil.com</u>						Pima Project # <u>1-231</u>																																							
Report due by:																																													
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																			State																					
																								NM	CO																				
																								UT	AZ																				
																								TX																					
																				Remarks																									
12:10	3/3/23	S	1	CSW 33	11																			X																					
12:15	↓	↓	↓	CSW 34	12																			↓																					
12:20	↓	↓	↓	CSW 35	13																																								
12:25	↓	↓	↓	CSW 36	14																			↓																					
Additional Instructions:																																													
Billing #: <u>20112941</u>																																													
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																																													
Relinquished by: (Signature) <u>[Signature]</u>										Date <u>3-6-23</u> Time <u>2:00</u>										Received by: (Signature) <u>[Signature]</u>										Date <u>3-6-23</u> Time <u>1:40</u>															
Relinquished by: (Signature) <u>[Signature]</u>										Date <u>3-6-23</u> Time <u>1715</u>										Received by: (Signature) <u>[Signature]</u>										Date <u>3-6-23</u> Time <u>1715</u>															
Relinquished by: (Signature) <u>[Signature]</u>										Date <u>3-6-23</u> Time <u>2300</u>										Received by: (Signature) <u>[Signature]</u>										Date <u>3/7/23</u> Time <u>7:00</u>															
Sample Matrix: <u>SC</u> - Solid, Sg - Sludge, A - Aqueous, O - Other																																													
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																													

Envirotech Analytical Laboratory

Printed: 3/7/2023 8:49:02AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	03/07/23 07:00	Work Order ID:	E303018
Phone:	(575) 631-6977	Date Logged In:	03/06/23 14:56	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	03/07/23 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Due to high sample volume for project (Burton Flat Deep Unit 61H) this has been separated into 3 workorders. Workorders are as follows: E303016; E303017; and E303018.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

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

CONDITIONS

Action 198631

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 198631
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2300654469 BURTON FLAT DEEP UNIT #61H, thank you. This closure is approved.	7/31/2023