

Incident ID	NAPP2222463832
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: EHS Professional

Signature: Dale Woodall Date: 3/8/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 03/08/2023

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: 07/12/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

Incident ID	NAPP2222463832
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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

Page 4

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Printed Name: Dale Woodall Title: EHS Professional

Signature: *Dale Woodall* Date: 3/8/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 03/08/2023

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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



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

January 6, 2023

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

Re: Site Assessment and Closure Report
Burton Flat Deep Unit 44 SWD Pad
API No. N/A
GPS: Latitude 32.511557 Longitude -104.180855
UL -- F, 3, T21S, R27E
Eddy County, NM
NMOCD Ref. No. NAPP2222463832

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment and submit this closure report for a produced water release that occurred at the Burton Flat Deep Unit 44 SWD Pad (Burton Flat). The initial C-141 was submitted on August 26, 2022 (Appendix C). This incident was assigned Incident ID NAPP2222463832 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Burton Flat is located approximately five (5) miles northeast of Carlsbad, NM. This spill site is in Unit F, Section 3, Township 21S, Range 27E, Latitude 32.511557 Longitude -104.180855, 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 and piedmont deposits. The soil in this area is made up of Reeves-Gypsum land 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 is well drained. There is a high potential for karst geology to be present around the Burton Flat (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 14 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 26 feet BGS. The closest waterway is Avalon Lake located approximately 3.77 miles to the northeast of this location. See Appendix A for referenced water surveys.

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

Reference Figure 2 for a Topographic Map.

Release Information

NAPP2222463832: On August 12, 2022, a poly line developed a leak causing fluid release. Devon had a vacuum truck remove the standing fluid. The released fluids were calculated to be approximately 75 barrels (bbls) of produced water. Vacuum trucks were able to recover approximately 65 bbls of produced water.

Site Assessment and Soil Sampling Results

On August 30, 2022, Pima mobilized personnel to the site to assess the area. We sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

8-30-22 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - BURTON FLAT DEEP UNIT 44 SWD								
Sample Date: 8/30/22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
BG 1	6"	ND	ND	ND	ND	ND	0	ND
BG 2	6"	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
S-1	3'	ND	ND	ND	ND	ND	0	739
	4'	ND	ND	ND	ND	ND	0	1240
	5'	ND	ND	ND	ND	ND	0	ND
S-2	3'	ND	ND	ND	242	389	631	3640
	4'	ND	ND	ND	ND	ND	0	1550
	5'	ND	ND	ND	ND	ND	0	ND
S-3	3'	ND	ND	ND	ND	ND	0	5090
	4'	ND	ND	ND	ND	ND	0	2350
	5'	ND	ND	ND	ND	ND	0	ND
S-4	3'	ND	ND	ND	ND	ND	0	1740
	4'	ND	ND	ND	ND	ND	0	2880
	5'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Remediation Activities

On December 10, 2022, the Devon Construction Department mobilized personnel and equipment to conduct remedial activities. They excavated the areas from S-1 through S-4 to a depth of 5' BGS. Pima personnel collected samples to verify all contaminated soil had been removed. The contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On December 17, 2022, after sending a 48-hour notification (Appendix C), Pima collected confirmation samples of the excavated areas. Laboratory results of this sampling event can be found in the following data table. A Confirmation Sample Map can be found in Figure 5.

12-17-22 Confirmation Samples Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 14')								
DEVON ENERGY - BURTON FLAT DEEP UNIT 44 SWD								
Sample Date: 12/17/22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS-1	5'	ND	ND	ND	ND	ND	0	ND
CS-2	5'	ND	ND	ND	ND	ND	0	ND
CS-3	5'	ND	ND	ND	ND	ND	0	ND
CS-4	5'	ND	ND	ND	ND	ND	0	ND
CS-5	5'	ND	ND	ND	ND	ND	0	ND
CS-6	5'	ND	ND	ND	ND	ND	0	ND
CS-7	5'	ND	ND	ND	ND	ND	0	ND
CS-8	5'	ND	ND	ND	ND	ND	0	ND
CS-9	5'	ND	ND	ND	ND	ND	0	ND
CS-10	5'	ND	ND	ND	ND	ND	0	ND
CS-11	5'	ND	ND	ND	ND	ND	0	ND
CS-12	5'	ND	ND	ND	ND	ND	0	ND
CS-13	5'	ND	ND	ND	ND	ND	0	ND
CS-14	5'	ND	ND	ND	ND	ND	0	ND
CS-15	5'	ND	ND	ND	ND	ND	0	ND
CS-16	5'	ND	ND	ND	ND	ND	0	ND
CS-17	5'	ND	ND	ND	ND	ND	0	ND
CS-18	5'	ND	ND	ND	ND	ND	0	21.8
CS-19	5'	ND	ND	ND	ND	ND	0	ND
CS-20	5'	ND	ND	ND	ND	ND	ND	ND
CS-21	5'	ND	ND	ND	ND	ND	ND	ND
CS-22	5'	ND	ND	ND	ND	ND	ND	ND
CS-23	5'	ND	ND	ND	ND	ND	ND	ND
CS-24	5'	ND	ND	ND	ND	ND	ND	ND
CS-25	5'	ND	ND	ND	ND	ND	ND	ND
CS-26	5'	ND	ND	ND	ND	ND	ND	ND
CS-27	5'	ND	ND	ND	ND	ND	ND	ND
CS-28	5'	ND	ND	ND	ND	ND	ND	ND
CS-29	5'	ND	ND	ND	ND	ND	ND	ND
CS-30	5'	ND	ND	ND	ND	ND	ND	ND
CS-31	5'	ND	ND	ND	ND	ND	ND	ND
CS-32	5'	ND	ND	ND	ND	ND	ND	ND
CSW-1	5'	ND	ND	ND	ND	ND	ND	ND
CSW-2	5'	ND	ND	ND	ND	ND	ND	ND
CSW-3	5'	ND	ND	ND	ND	ND	ND	ND
CSW-4	5'	ND	ND	ND	ND	ND	ND	ND
CSW-5	5'	ND	ND	ND	ND	ND	ND	ND
CSW-6	5'	ND	ND	ND	ND	ND	ND	ND
CSW-7	5'	ND	ND	ND	ND	ND	ND	ND
CSW-8	5'	ND	ND	ND	ND	ND	ND	ND
CSW-9	5'	ND	ND	ND	ND	ND	ND	ND
CSW-10	5'	ND	ND	ND	ND	ND	ND	ND
CSW-11	5'	ND	ND	ND	ND	ND	ND	ND
CSW-12	5'	ND	ND	ND	ND	ND	ND	ND
CSW-13	5'	ND	ND	ND	ND	ND	ND	ND
CSW-14	5'	ND	ND	ND	ND	ND	ND	ND
CSW-15	5'	ND	ND	ND	ND	ND	ND	ND
CSW-16	5'	ND	ND	ND	ND	ND	ND	ND
CSW-17	5'	ND	ND	ND	ND	ND	ND	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 sufficiently 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, NAPP2222463832 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

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

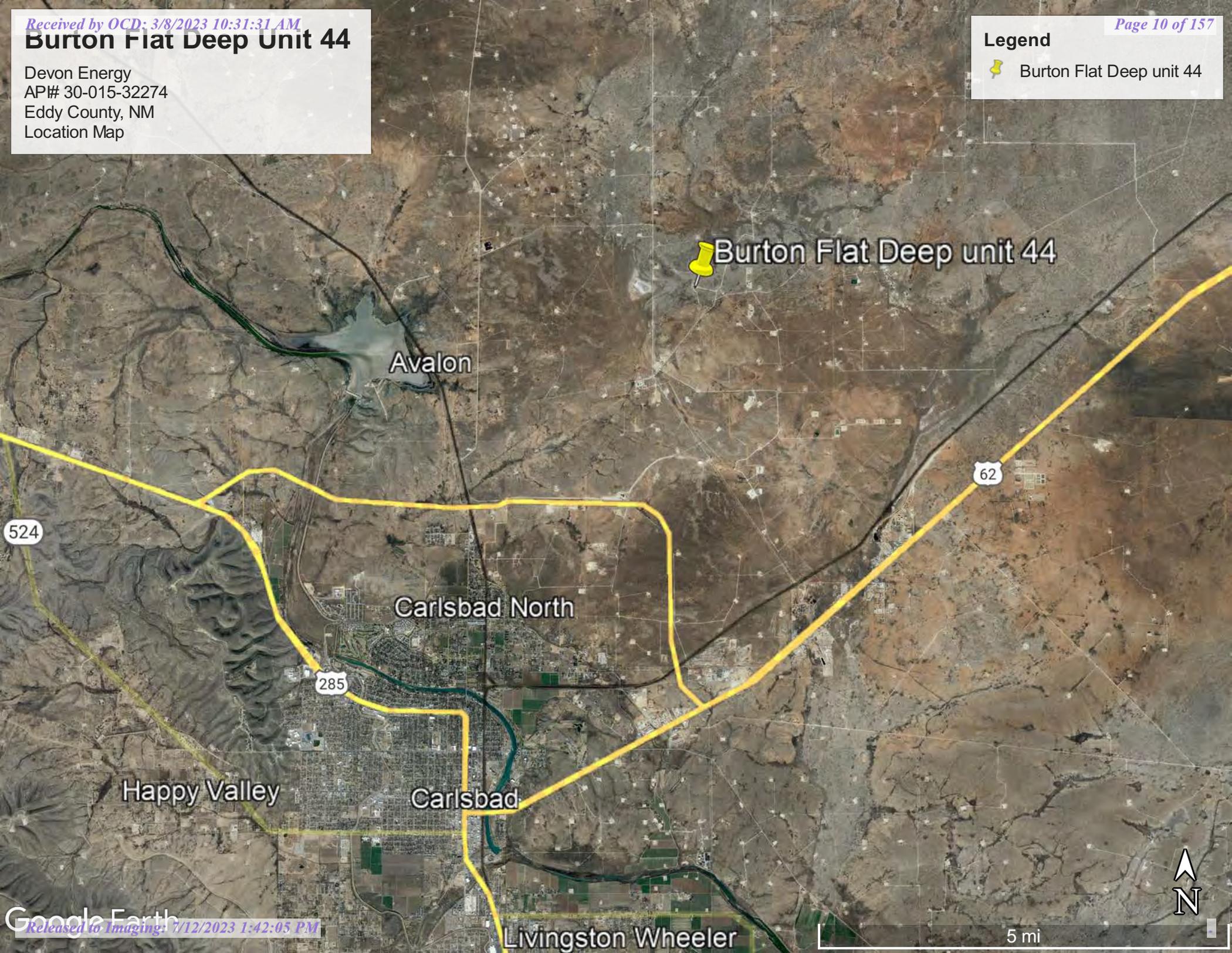
5-Confirmation Site Map

Burton Flat Deep Unit 44

Devon Energy
AP# 30-015-32274
Eddy County, NM
Location Map

Legend

 Burton Flat Deep unit 44



 Burton Flat Deep unit 44

Avalon

Carlsbad North

Happy Valley

Carlsbad

Livingston Wheeler

62

524

285

5 mi

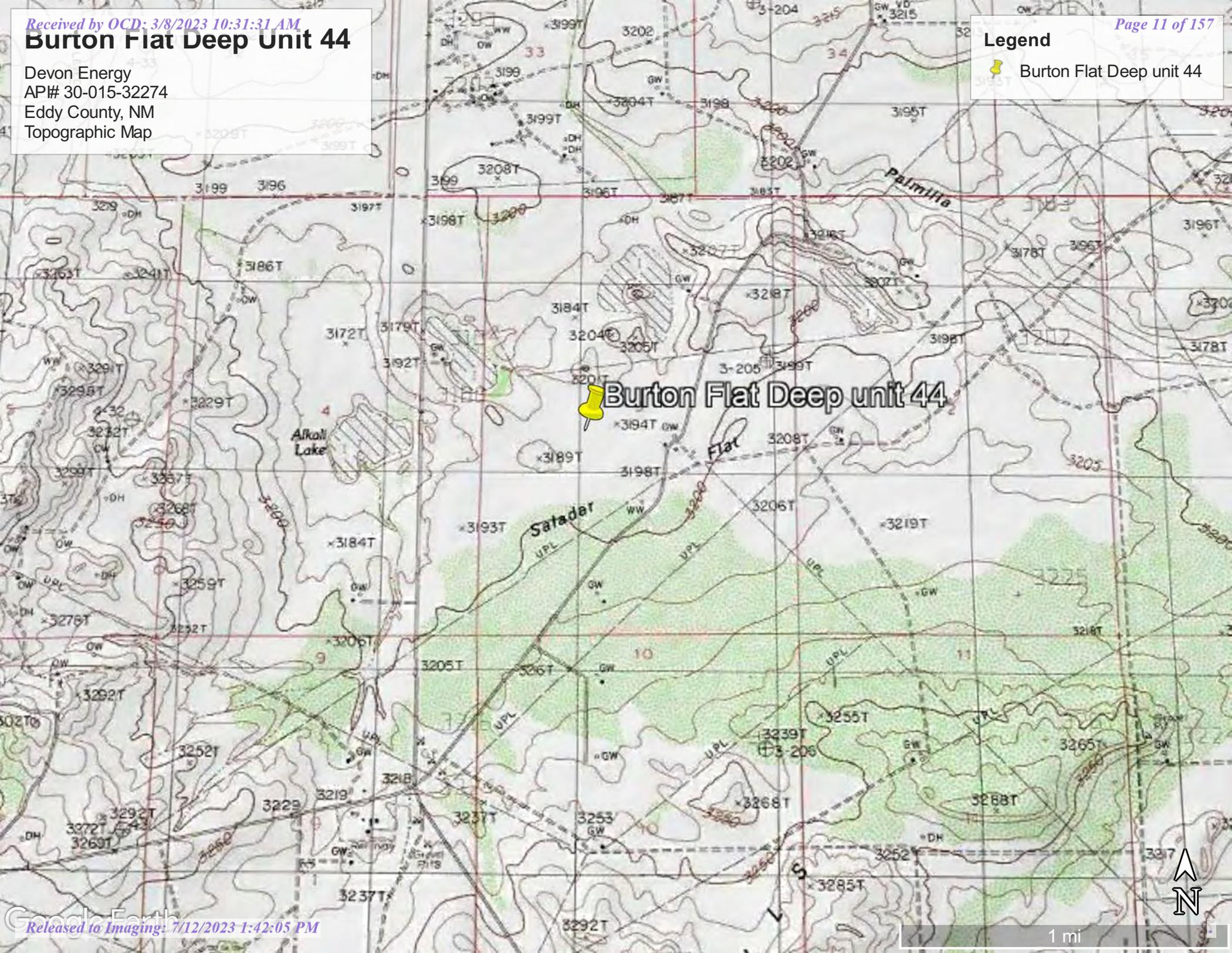


Burton Flat Deep Unit 44

Devon Energy
AP# 30-015-32274
Eddy County, NM
Topographic Map

Legend

 Burton Flat Deep unit 44



Burton Flat Deep unit 44

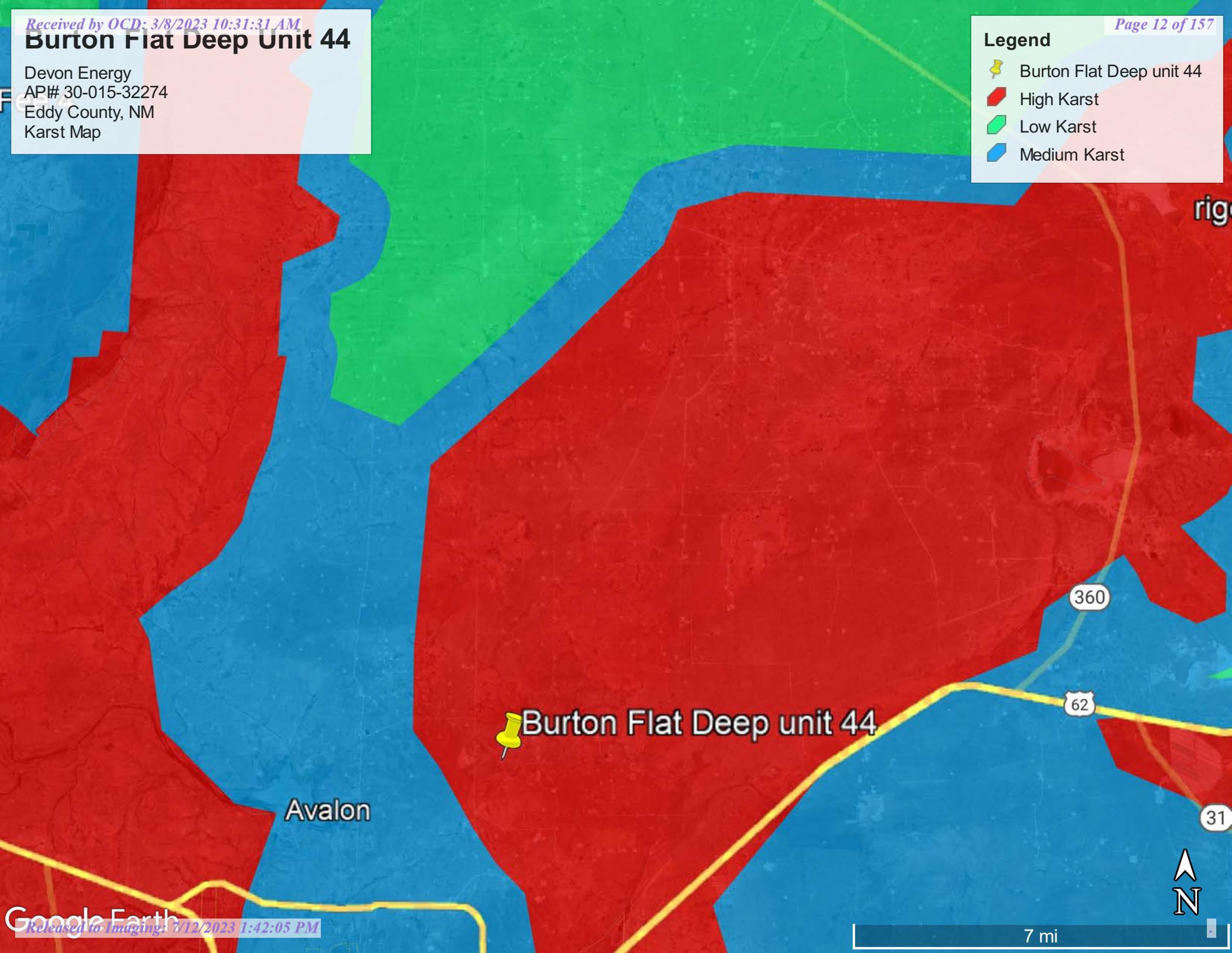


Burton Flat Deep Unit 44

Devon Energy
AP# 30-015-32274
Eddy County, NM
Karst Map

Legend

-  Burton Flat Deep unit 44
-  High Karst
-  Low Karst
-  Medium Karst



 Burton Flat Deep unit 44

Avalon

360

62

31



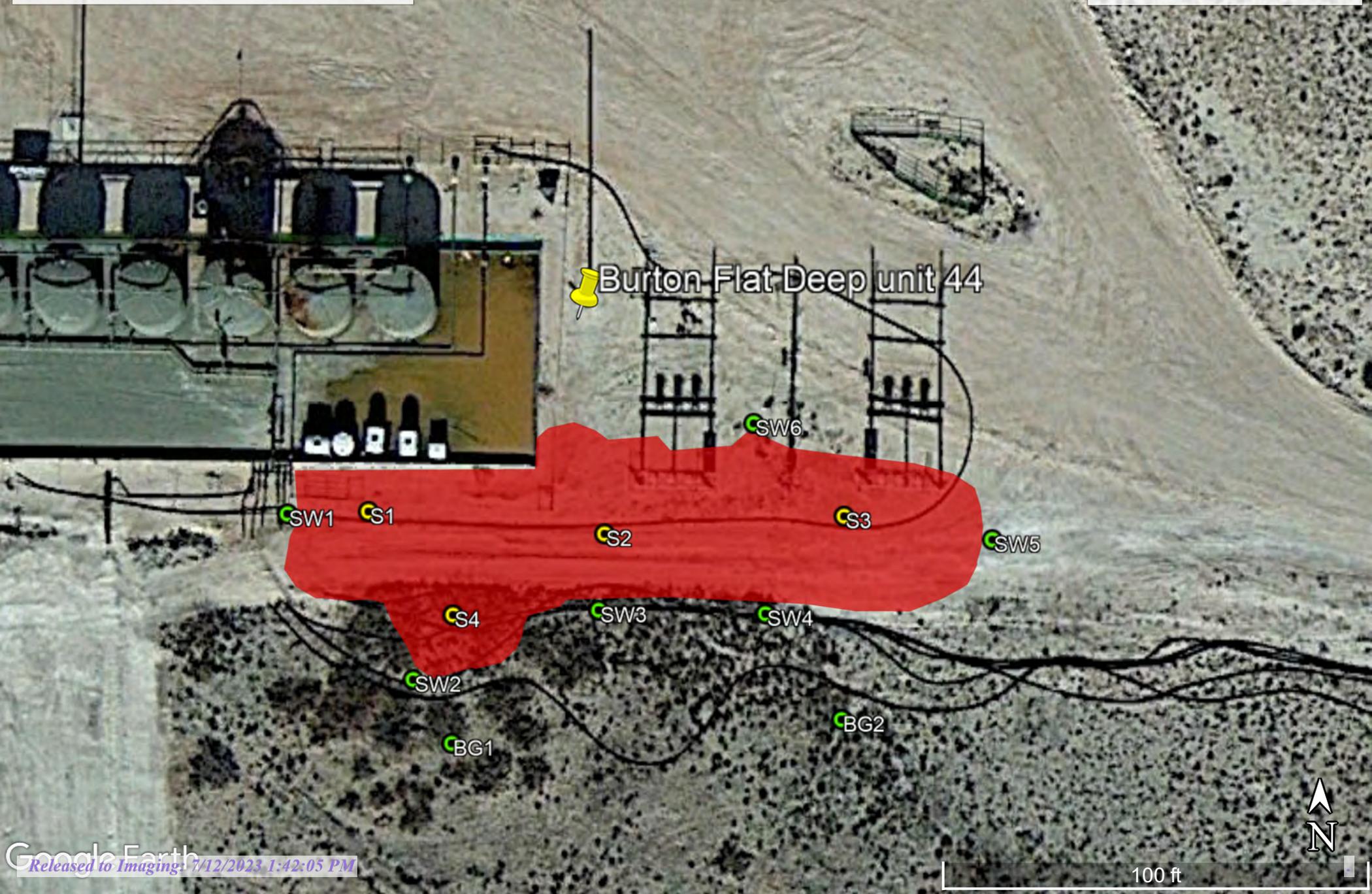
7 mi

Burton Flat Deep Unit 44

Devon Energy
AP# 30-015-32274
Eddy County, NM
Site Map

Legend

- Backgrounds/Sidewalls
- Samples
- Spill Area

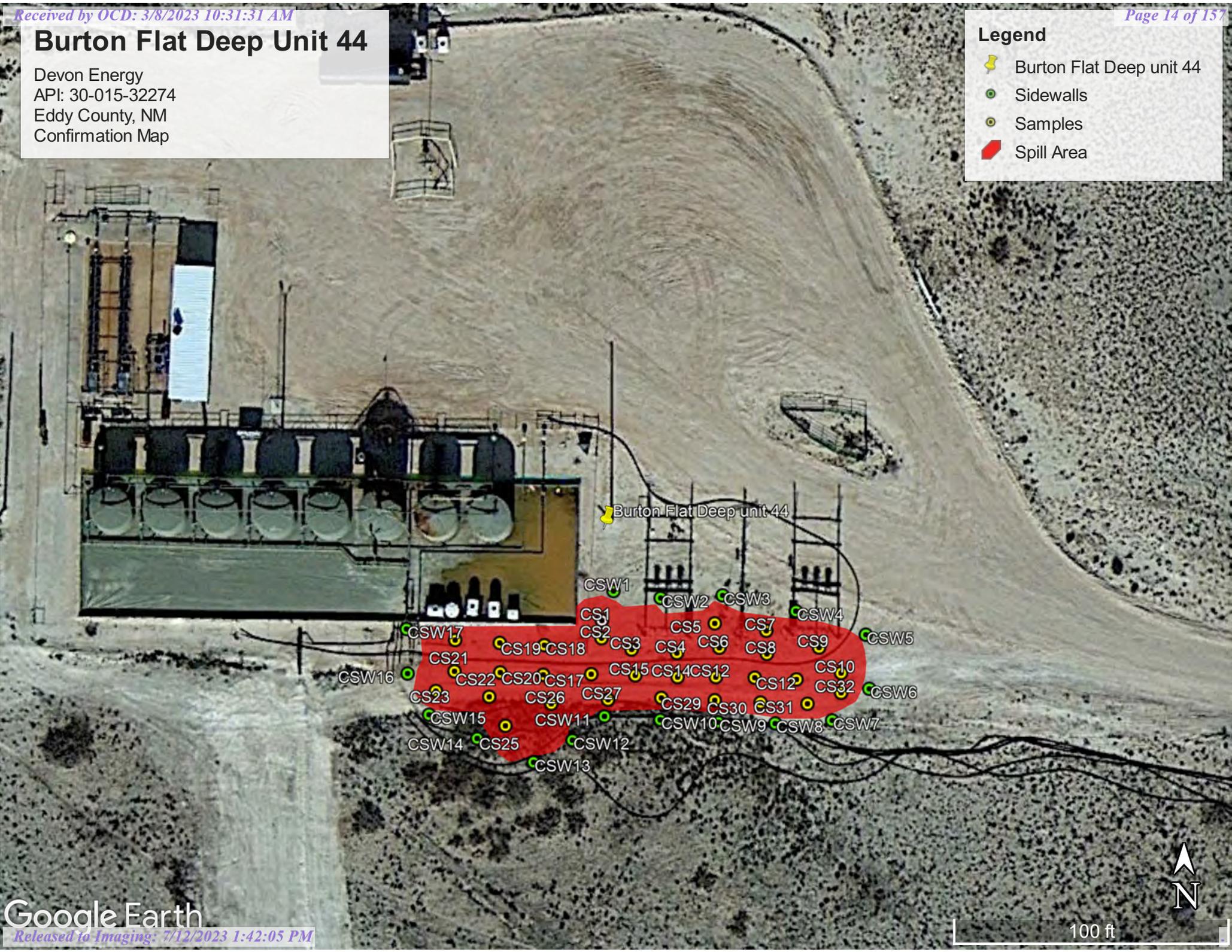


Burton Flat Deep Unit 44

Devon Energy
API: 30-015-32274
Eddy County, NM
Confirmation Map

Legend

-  Burton Flat Deep unit 44
-  Sidewalls
-  Samples
-  Spill Area





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 6	Q 16	Q 4	Q 33	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C 02907		C	ED	3	2	1	03	21S	27E		576959	3597669*	257	52	14	38
C 01142		C	ED	3	1	4	03	21S	27E		577358	3596873*	659	100		
CP 00922 POD1		CP	ED	2	3	3	33	20S	28E		576233	3598956*	1714	47	27	20
CP 00671		CP	ED		1	3	33	20S	28E		576129	3599260*	2033	70	35	35
CP 00919 POD2		CP	ED	2	1	3	33	20S	28E		576318	3599357	2054	104	40	64
C 04425 POD17		CUB	ED	4	1	1	04	21S	27E		575054	3598173	2069	38		
CP 00919 POD1	R	CP	ED	2	1	3	33	20S	28E		576228	3599359*	2086	24		
C 04425 POD13		CUB	ED	3	1	1	04	21S	27E		575059	3598259	2098	33		
C 04425 POD18		CUB	ED	3	1	1	04	21S	27E		575011	3598207	2122	38		
C 04425 POD14		CUB	ED	3	1	1	04	21S	27E		575013	3598241	2133	37		
C 04425 POD16		CUB	ED	3	1	1	04	21S	27E		574954	3598094	2135	51		
C 00469	C	CUB	ED		1	4	02	21S	27E		579078	3596994*	2141	767		
C 04425 POD15		CUB	ED	3	1	1	04	21S	27E		574951	3598180	2167	47		
C 03690 POD1		C	ED	4	1	4	10	21S	27E		577482	3595179	2288	200		
CP 00746 POD1		CP	ED	1	3	4	32	20S	28E		575229	3598948*	2327	70	29	41
C 04505 POD1		C	ED	4	2	2	05	21S	27E		574808	3598305	2346	95	50	45
C 01339		CUB	ED		1	4	09	21S	27E		575842	3595353*	2351	425	120	305
CP 00920 POD1		CP	ED	2	4	1	33	20S	28E		576627	3599766*	2380	47	29	18
CP 00923 POD1		CP	ED	2	4	1	33	20S	28E		576627	3599766*	2380	57		

C_04158_POD1	C	ED	3	1	4	32	20S	28E	575207	3599055		2416	137	60	77
CP_00921_POD1	CP	ED	2	3	1	33	20S	28E	576223	3599763*		2469	52	30	22
C_03525_POD2	CUB	ED	2	2	2	02	21S	27E	579676	3598362		2860	29	20	9
CP_01714_POD3	CP	ED	4	2	2	32	20S	28E	575724	3599995		2871	160	107	53
C_01333	C	ED	1	1	4	05	21S	27E	574128	3597045*		2873	400	350	50
C_03525_POD1	CUB	ED	1	1	1	01	21S	27E	579702	3598362		2884	31	20	11
C_03525_POD3	CUB	ED	1	1	1	01	21S	27E	579728	3598332		2899	30		
C_03525_POD4	CUB	ED	1	1	1	01	21S	27E	579728	3598362		2909	29		

Average Depth to Water: **66 feet**
 Minimum Depth: **14 feet**
 Maximum Depth: **350 feet**

Record Count: 27

UTMNAD83 Radius Search (in meters):

Easting (X): 576978

Northing (Y): 3597411.92

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.

9/1/22 4:46 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category:
 Geographic Area:

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.
- Attention current WaterAlert users: NextGen WaterAlert is replacing Legacy WaterAlert. You must take action before 9/30/2022 to retain your alerts. [Read more.](#)
- [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

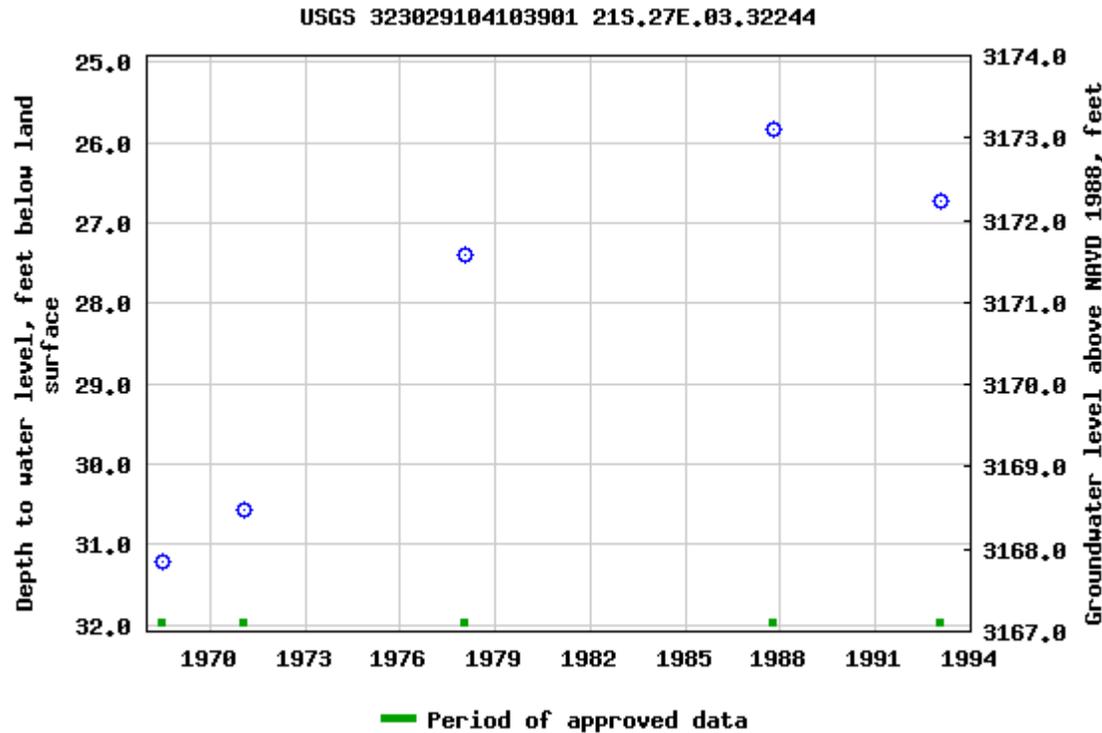
Available data for this site

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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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

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

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

Page Last Modified: 2022-09-01 18:51:06 EDT

0.6 0.49 nadww01



Burton Flat Deep Unit 44

Devon Energy
AP# 30-015-32274
Eddy County, NM
Surface Water Map

Legend

-  Avalon Lake 3.77 Miles
-  Burton Flat Deep unit 44



 Burton Flat Deep unit 44

206

Avalon

602

George Shoup Relief Rte



2 mi



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

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

Eddy Area, New Mexico

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

Map Unit Setting

National map unit symbol: 1w5f
Elevation: 1,250 to 5,000 feet
Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 190 to 235 days
Farmland classification: Not prime farmland

Map Unit Composition

Reeves and similar soils: 55 percent
Gypsum land: 30 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reeves

Setting

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

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 32 inches: clay loam
H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.3 inches)

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

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, crest, nose slope, head slope
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

Minor Components

Largo

Percent of map unit: 5 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent
Ecological site: R042XC033NM - Salty Bottomland
Hydric soil rating: No

Reagan

Percent of map unit: 5 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 17, Sep 12, 2021

National Flood Hazard Layer FIRMMette



104°11'8"W 32°30'56"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
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
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.

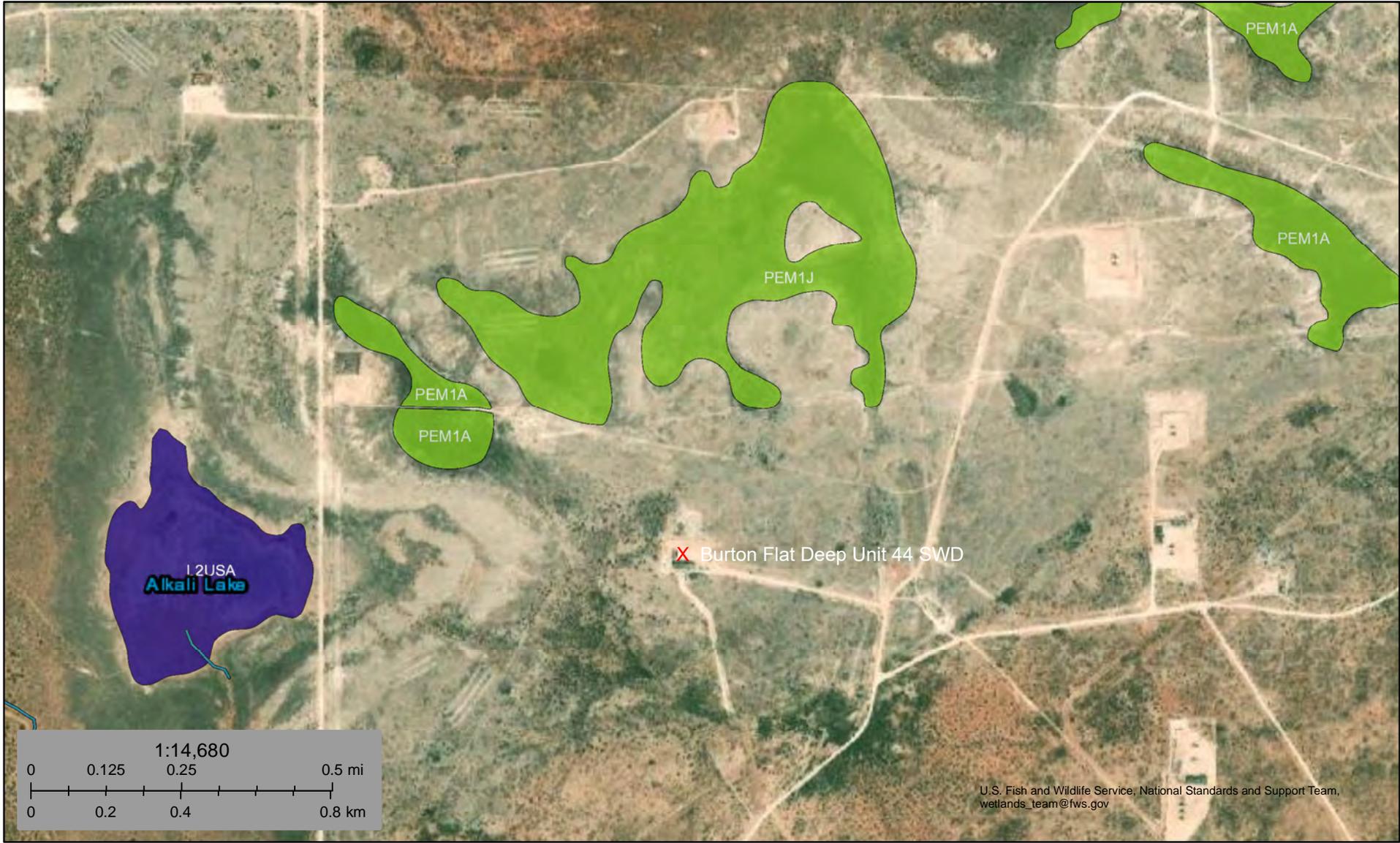
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/1/2022 at 6:37 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Wetlands Map



December 22, 2022

Wetlands

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

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



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

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

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

Incident ID	nAPP2222463832
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Dale Woodall	Contact Telephone
Contact email Dale.Woodall@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210	

Location of Release Source

Latitude 32.511557 Longitude -104.180855
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Burton Flat Deep Unit 44 SWD Pad	Site Type Oil
Date Release Discovered 08/12/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
F	3	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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 75 BBLS	Volume Recovered (bbls) 65 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 Poly line developed leak.

State of New Mexico
Oil Conservation Division

Page 2

Incident ID	nAPP2222463832
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Spill is over 25BBLS.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Immediate notice given on OCD portal (NOR) by Dale Woodall on 8/12/2022.	

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: <u>Kendra Ruiz</u> Title: <u>EHS Associate</u> Signature: <u><i>Kendra Ruiz</i></u> Date: <u>08/26/2022</u> email: <u>Kendra.Ruiz@dvn.com</u> Telephone: <u>575-748-0167</u>
<u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> Date: <u>08/26/2022</u>

Spill Volume(Bbls) Calculator		
<i>Inputs in blue, Outputs in red</i>		
Contaminated Soil measurement		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>75</u>	<u>30.000</u>	<u>0.125</u>
Cubic Feet of Soil Impacted		<u>2822.000</u>
Barrels of Soil Impacted		<u>503.03</u>
Soil Type		<u>Clay/Sand</u>
Barrels of Oil Assuming 100% Saturation		<u>75.45</u>
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels of Oil Released		<u>75.45</u>
Free Standing Fluid Only		
Length(Ft)	Width(Ft)	Depth(Ft)
Standing fluid		<u>0.000</u>
Total fluids spilled		<u>75.455</u>

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

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

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

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 138483

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 138483
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	8/30/2022

Incident ID	NAPP2222463832
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<50 (ft bgs)
Did this release impact groundwater or surface water?	<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	NAPP2222463832
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: EHS Professional

Signature: *Dale Woodall* Date: 3/8/2023

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

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2222463832
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: EHS Professional

Signature: Dale Woodall Date: 3/8/2023

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Gio PimaOil <gio@pimaoil.com>

Burton Flat Deep 44 SWD Confirmation of Sampling

1 message

Gio PimaOil <gio@pimaoil.com>

Thu, Dec 15, 2022 at 10:26 AM

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

Good Morning,

Pima Environmental would like to notify you that we will be collecting confirmation samples at the Burton Flat Deep 44 SWD for incident **NAPP2222463832**. Pima personnel are scheduled to be on site for this sampling event at approximately 10:00 a.m. on Saturday, December 17, 2022. 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 44 SWD**

Site Assessment





+32.511368,-104.180253
Eddy County
Devon Energy
Burton Flat Deep Unit #44
Assessment





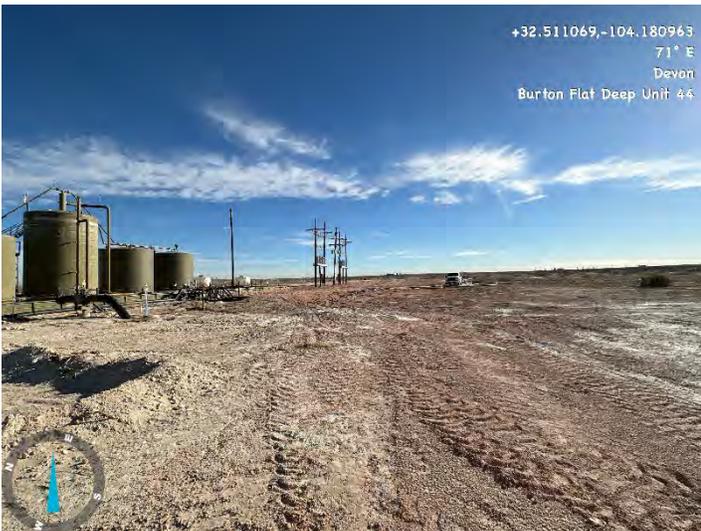


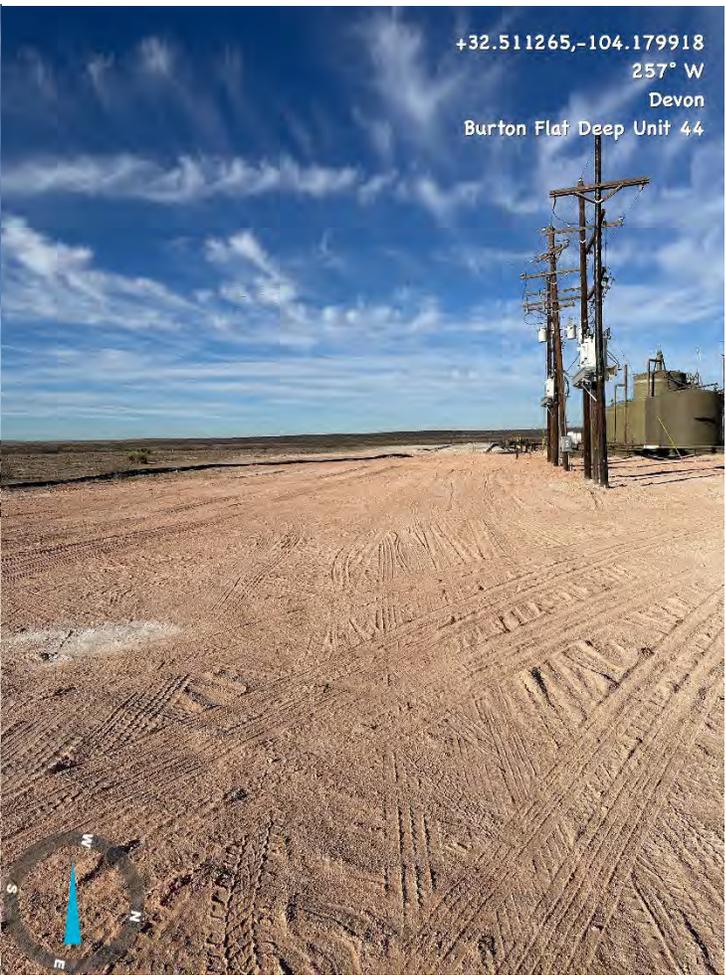
EXCAVATION





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 Flat Deep Unit 44

Work Order: E208192

Job Number: 01058-0007

Received: 9/1/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/7/22

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: 9/7/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Burton Flat Deep Unit 44
Workorder: E208192
Date Received: 9/1/2022 10:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/1/2022 10:30:00AM, under the Project Name: Burton Flat Deep Unit 44.

The analytical test results summarized in this report with the Project Name: Burton Flat Deep Unit 44 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
PO Box 247
Plains TX, 79355-0247

Project Name: Burton Flat Deep Unit 44
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
09/07/22 12:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG1	E208192-01A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
BG2	E208192-02A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
SW1	E208192-03A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
SW2	E208192-04A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
SW3	E208192-05A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
SW4	E208192-06A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
SW5	E208192-07A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
SW6	E208192-08A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
S1 3'	E208192-09A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
S1 4'	E208192-10A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
S1 5'	E208192-11A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
S2 3'	E208192-12A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
S2 4'	E208192-13A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
S2 5'	E208192-14A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
S3 3'	E208192-15A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
S3 4'	E208192-16A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
S3 5'	E208192-17A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
S4 3'	E208192-18A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
S4 4'	E208192-19A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
S4 5'	E208192-20A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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BG1
E208192-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/02/22
Ethylbenzene	ND	0.0250	1	09/01/22	09/02/22
Toluene	ND	0.0250	1	09/01/22	09/02/22
o-Xylene	ND	0.0250	1	09/01/22	09/02/22
p,m-Xylene	ND	0.0500	1	09/01/22	09/02/22
Total Xylenes	ND	0.0250	1	09/01/22	09/02/22

<i>Surrogate: Bromofluorobenzene</i>	97.3 %	70-130		09/01/22	09/02/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97.9 %	70-130		09/01/22	09/02/22
<i>Surrogate: Toluene-d8</i>	109 %	70-130		09/01/22	09/02/22

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/02/22
<i>Surrogate: Bromofluorobenzene</i>	97.3 %	70-130		09/01/22	09/02/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97.9 %	70-130		09/01/22	09/02/22
<i>Surrogate: Toluene-d8</i>	109 %	70-130		09/01/22	09/02/22

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/02/22
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/02/22
<i>Surrogate: n-Nonane</i>	99.7 %	50-200		09/02/22	09/02/22

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2236076
Chloride	ND	20.0	1	09/02/22	09/02/22

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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BG2

E208192-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/02/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/02/22	
Toluene	ND	0.0250	1	09/01/22	09/02/22	
o-Xylene	ND	0.0250	1	09/01/22	09/02/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/02/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/02/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	09/02/22	09/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	ND	20.0	1	09/02/22	09/02/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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SW1

E208192-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/02/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/02/22	
Toluene	ND	0.0250	1	09/01/22	09/02/22	
o-Xylene	ND	0.0250	1	09/01/22	09/02/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/02/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/02/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	09/02/22	09/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	ND	20.0	1	09/02/22	09/02/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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SW2

E208192-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/02/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/02/22	
Toluene	ND	0.0250	1	09/01/22	09/02/22	
o-Xylene	ND	0.0250	1	09/01/22	09/02/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/02/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/02/22	
<i>Surrogate: n-Nonane</i>		120 %	50-200	09/02/22	09/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	ND	20.0	1	09/02/22	09/02/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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SW3

E208192-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/02/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/02/22	
Toluene	ND	0.0250	1	09/01/22	09/02/22	
o-Xylene	ND	0.0250	1	09/01/22	09/02/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/02/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/02/22	
<i>Surrogate: n-Nonane</i>		118 %	50-200	09/02/22	09/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	ND	20.0	1	09/02/22	09/02/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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SW4

E208192-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/02/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/02/22	
Toluene	ND	0.0250	1	09/01/22	09/02/22	
o-Xylene	ND	0.0250	1	09/01/22	09/02/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/02/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/02/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	09/02/22	09/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	ND	20.0	1	09/02/22	09/03/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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SW5

E208192-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/02/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/02/22	
Toluene	ND	0.0250	1	09/01/22	09/02/22	
o-Xylene	ND	0.0250	1	09/01/22	09/02/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/02/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/02/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	09/02/22	09/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	ND	20.0	1	09/02/22	09/03/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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SW6

E208192-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/02/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/02/22	
Toluene	ND	0.0250	1	09/01/22	09/02/22	
o-Xylene	ND	0.0250	1	09/01/22	09/02/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/02/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/02/22	
<i>Surrogate: n-Nonane</i>		113 %	50-200	09/02/22	09/02/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	ND	20.0	1	09/02/22	09/03/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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S1 3'

E208192-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/02/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/02/22	
Toluene	ND	0.0250	1	09/01/22	09/02/22	
o-Xylene	ND	0.0250	1	09/01/22	09/02/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/02/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/03/22	
<i>Surrogate: n-Nonane</i>		124 %	50-200	09/02/22	09/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	739	200	10	09/02/22	09/03/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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S1 4'

E208192-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/02/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/02/22	
Toluene	ND	0.0250	1	09/01/22	09/02/22	
o-Xylene	ND	0.0250	1	09/01/22	09/02/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/02/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/03/22	
<i>Surrogate: n-Nonane</i>		134 %	50-200	09/02/22	09/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	1240	400	20	09/02/22	09/03/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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S1 5'

E208192-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/02/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/02/22	
Toluene	ND	0.0250	1	09/01/22	09/02/22	
o-Xylene	ND	0.0250	1	09/01/22	09/02/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/02/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/02/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/01/22	09/02/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	09/01/22	09/02/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/03/22	
<i>Surrogate: n-Nonane</i>		123 %	50-200	09/02/22	09/03/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	ND	20.0	1	09/02/22	09/03/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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S2 3'

E208192-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/03/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/03/22	
Toluene	ND	0.0250	1	09/01/22	09/03/22	
o-Xylene	ND	0.0250	1	09/01/22	09/03/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/03/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	242	25.0	1	09/02/22	09/03/22	
Oil Range Organics (C28-C36)	389	50.0	1	09/02/22	09/03/22	
<i>Surrogate: n-Nonane</i>		124 %	50-200	09/02/22	09/03/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	3640	400	20	09/02/22	09/03/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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S2 4'

E208192-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/03/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/03/22	
Toluene	ND	0.0250	1	09/01/22	09/03/22	
o-Xylene	ND	0.0250	1	09/01/22	09/03/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/03/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/03/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	09/02/22	09/03/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	1550	400	20	09/02/22	09/03/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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S2 5'

E208192-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/03/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/03/22	
Toluene	ND	0.0250	1	09/01/22	09/03/22	
o-Xylene	ND	0.0250	1	09/01/22	09/03/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/03/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/03/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	09/02/22	09/03/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	ND	20.0	1	09/02/22	09/03/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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S3 3'

E208192-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/03/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/03/22	
Toluene	ND	0.0250	1	09/01/22	09/03/22	
o-Xylene	ND	0.0250	1	09/01/22	09/03/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/03/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/03/22	
<i>Surrogate: n-Nonane</i>		116 %	50-200	09/02/22	09/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	5090	400	20	09/02/22	09/03/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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S3 4'

E208192-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/03/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/03/22	
Toluene	ND	0.0250	1	09/01/22	09/03/22	
o-Xylene	ND	0.0250	1	09/01/22	09/03/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/03/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/03/22	
<i>Surrogate: n-Nonane</i>		82.2 %	50-200	09/02/22	09/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	2350	400	20	09/02/22	09/03/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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S3 5'

E208192-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/03/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/03/22	
Toluene	ND	0.0250	1	09/01/22	09/03/22	
o-Xylene	ND	0.0250	1	09/01/22	09/03/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/03/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/03/22	
<i>Surrogate: n-Nonane</i>		133 %	50-200	09/02/22	09/03/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	ND	20.0	1	09/02/22	09/03/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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S4 3'

E208192-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/03/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/03/22	
Toluene	ND	0.0250	1	09/01/22	09/03/22	
o-Xylene	ND	0.0250	1	09/01/22	09/03/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/03/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/03/22	
<i>Surrogate: n-Nonane</i>		126 %	50-200	09/02/22	09/03/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	1740	20.0	1	09/02/22	09/03/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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S4 4'

E208192-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/03/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/03/22	
Toluene	ND	0.0250	1	09/01/22	09/03/22	
o-Xylene	ND	0.0250	1	09/01/22	09/03/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/03/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/03/22	
<i>Surrogate: n-Nonane</i>		124 %	50-200	09/02/22	09/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	2880	40.0	2	09/02/22	09/03/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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S4 5'

E208192-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Benzene	ND	0.0250	1	09/01/22	09/03/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/03/22	
Toluene	ND	0.0250	1	09/01/22	09/03/22	
o-Xylene	ND	0.0250	1	09/01/22	09/03/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/03/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.7 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2236065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/03/22	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	09/01/22	09/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.7 %	70-130	09/01/22	09/03/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	09/01/22	09/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2236069
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/22	09/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/22	09/03/22	
<i>Surrogate: n-Nonane</i>		121 %	50-200	09/02/22	09/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2236076
Chloride	ND	20.0	1	09/02/22	09/03/22	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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 (2236065-BLK1)

Prepared: 09/01/22 Analyzed: 09/03/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

LCS (2236065-BS1)

Prepared: 09/01/22 Analyzed: 09/03/22

Benzene	2.12	0.0250	2.50		84.6	70-130			
Ethylbenzene	2.22	0.0250	2.50		88.8	70-130			
Toluene	2.16	0.0250	2.50		86.6	70-130			
o-Xylene	2.15	0.0250	2.50		85.8	70-130			
p,m-Xylene	4.14	0.0500	5.00		82.9	70-130			
Total Xylenes	6.29	0.0250	7.50		83.9	70-130			
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS Dup (2236065-BSD1)

Prepared: 09/01/22 Analyzed: 09/03/22

Benzene	2.14	0.0250	2.50		85.5	70-130	1.08	23	
Ethylbenzene	2.31	0.0250	2.50		92.3	70-130	3.93	27	
Toluene	2.23	0.0250	2.50		89.4	70-130	3.18	24	
o-Xylene	2.21	0.0250	2.50		88.3	70-130	2.87	27	
p,m-Xylene	4.28	0.0500	5.00		85.7	70-130	3.32	27	
Total Xylenes	6.49	0.0250	7.50		86.6	70-130	3.17	27	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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 (2236065-BLK1)

Prepared: 09/01/22 Analyzed: 09/03/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

LCS (2236065-BS2)

Prepared: 09/01/22 Analyzed: 09/03/22

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0		99.8	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

LCS Dup (2236065-BSD2)

Prepared: 09/01/22 Analyzed: 09/03/22

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0		94.8	70-130	5.18	20	
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.536		0.500		107	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2236069-BLK1)

Prepared: 09/02/22 Analyzed: 09/02/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.4		50.0		119	50-200			

LCS (2236069-BS1)

Prepared: 09/02/22 Analyzed: 09/06/22

Diesel Range Organics (C10-C28)	221	25.0	250		88.6	38-132			
Surrogate: n-Nonane	47.5		50.0		95.0	50-200			

Matrix Spike (2236069-MS1)

Source: E208192-14

Prepared: 09/02/22 Analyzed: 09/02/22

Diesel Range Organics (C10-C28)	230	25.0	250	ND	91.9	38-132			
Surrogate: n-Nonane	56.1		50.0		112	50-200			

Matrix Spike Dup (2236069-MSD1)

Source: E208192-14

Prepared: 09/02/22 Analyzed: 09/02/22

Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.5	38-132	2.77	20	
Surrogate: n-Nonane	56.2		50.0		112	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/7/2022 12:11:55PM
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Anions by EPA 300.0/9056A

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 (2236076-BLK1)

Prepared: 09/02/22 Analyzed: 09/02/22

Chloride ND 20.0

LCS (2236076-BS1)

Prepared: 09/02/22 Analyzed: 09/02/22

Chloride 252 20.0 250 101 90-110

Matrix Spike (2236076-MS1)

Source: E208192-01

Prepared: 09/02/22 Analyzed: 09/02/22

Chloride 256 20.0 250 ND 102 80-120

Matrix Spike Dup (2236076-MSD1)

Source: E208192-01

Prepared: 09/02/22 Analyzed: 09/02/22

Chloride 259 20.0 250 ND 103 80-120 1.07 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 44	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/07/22 12:11

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: <u>Burton Flat Deep Unit 44</u>		Attention: <u>Devon Energy</u>		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA										
Project Manager: Tom Bynum		Address:		<u>E208192</u> <u>01058-0007</u>					X												
Address: 5614 N. Lovington Hwy.		City, State, Zip		Analysis and Method																	
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX										
Phone: 580-748-1613		Email:		State																	
Email: <u>tom@pimaoil.com</u>		Pima Project # <u>197</u>		<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>AZ</td> <td>TX</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								NM	CO	UT	AZ	TX	X				
NM	CO	UT	AZ	TX																	
X																					
Report due by:		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	Remarks
9:00	8/30/22	S		BG 1	1							X		
9:05				BG 2	2									
9:10				SW 1	3									
9:15				SW 2	4									
9:20				SW 3	5									
9:25				SW 4	6									
9:30				SW 5	7									
9:35				SW 6	8									
9:40				S 1 3'	9									
9:45				S 1 4'	10									

Additional Instructions: Billing # A21060749

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) <u>[Signature]</u>	Date <u>8/31/22</u>	Time <u>3:45</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>8/31/22</u>	Time <u>10:30</u>	Lab Use Only
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>8/31/22</u>	Time <u>4:00</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>9/1/22</u>	Time <u>10:30</u>	Received on ice: <u>Y/N</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____
						AVG Temp °C <u>4</u>

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.



Client: Pima Environmental Services Project: <u>Burton Flat Deep Unit 44</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: <u>Devon Energy</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>197</u>		Lab Use Only Lab WO# <u>E208192</u> Job Number <u>01058-0007</u>		TAT 1D 2D 3D Standard X		EPA Program CWA SDWA RCRA State NM CO UT AZ TX X	
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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
9:50	8/30/22	S		S1 5'	11							X		
9:55				S2 3'	12									
10:00				S2 4'	13									
10:05				S2 5'	14									
10:10				S3 3'	15									
10:15				S3 4'	16									
10:20				S3 5'	17									
10:25				S4 3'	18									
10:30				S4 4'	19									
10:35				S4 5'	20									

Additional Instructions: Billing # 21060749

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: Neal Rogers

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) <u>[Signature]</u>	Date 8/31/22	Time 3:45	Received by: (Signature) <u>[Signature]</u>	Date 8/31/22	Time 10:30	Lab Use Only Received on ice: <u>Y/N</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date 8/31/22	Time 4:15	Received by: (Signature) <u>[Signature]</u>	Date 9/1/22	Time 10:30	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>

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 Analytical Laboratory

Printed: 9/1/2022 12:16:14PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	08/31/22 10:30	Work Order ID:	E208192
Phone:	(575) 631-6977	Date Logged In:	08/31/22 16:06	Logged In By:	Raina Schwanz
Email:	tom@pimaoil.com	Due Date:	09/06/22 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? No
- 5. Were all samples received within holding time? Yes

Carrier: UPS

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

Comments/Resolution

Number of containers not provided on COC.

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 44

Work Order: E212113

Job Number: 01058-0007

Received: 12/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/21/22

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: 12/21/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Burton Flat Deep Unit 44
Workorder: E212113
Date Received: 12/20/2022 1:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/20/2022 1:00:00PM, under the Project Name: Burton Flat Deep Unit 44.

The analytical test results summarized in this report with the Project Name: Burton Flat Deep Unit 44 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
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labadmin@envirotech-inc.com

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ljjarboe@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/22 14:56
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-1	E212113-01A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-2	E212113-02A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-3	E212113-03A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-4	E212113-04A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-5	E212113-05A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-6	E212113-06A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-7	E212113-07A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-8	E212113-08A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-9	E212113-09A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-10	E212113-10A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-11	E212113-11A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-12	E212113-12A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-13	E212113-13A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-14	E212113-14A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-15	E212113-15A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-16	E212113-16A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-17	E212113-17A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-18	E212113-18A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-19	E212113-19A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-20	E212113-20A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-1

E212113-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.4 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		89.0 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-2

E212113-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.1 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		93.9 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-3

E212113-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		90.5 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-4

E212113-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.9 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		98.8 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-5

E212113-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.3 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		92.7 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-6

E212113-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.7 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		97.0 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-7

E212113-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.3 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		92.4 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-8

E212113-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.9 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		99.1 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-9

E212113-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.5 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>						
		96.5 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-10

E212113-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.7 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		99.7 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-11
E212113-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.2 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		94.0 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-12

E212113-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.3 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		99.2 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-13

E212113-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/21/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/21/22	
Toluene	ND	0.0250	1	12/20/22	12/21/22	
o-Xylene	ND	0.0250	1	12/20/22	12/21/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/21/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	12/20/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	12/20/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		97.4 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-14

E212113-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.5 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-15
E212113-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.9 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		97.8 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-16
E212113-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.5 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-17

E212113-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.4 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		97.1 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-18

E212113-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.9 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>						
		98.4 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	21.8	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-19

E212113-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.9 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		98.1 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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CS-20

E212113-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Benzene	ND	0.0250	1	12/20/22	12/21/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/21/22	
Toluene	ND	0.0250	1	12/20/22	12/21/22	
o-Xylene	ND	0.0250	1	12/20/22	12/21/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/21/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	12/20/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2252015
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.9 %	70-130	12/20/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252012
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		99.0 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252019
Chloride	ND	20.0	1	12/20/22	12/20/22	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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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 (2252015-BLK1)

Prepared: 12/20/22 Analyzed: 12/20/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.88		8.00		98.5	70-130			

LCS (2252015-BS1)

Prepared: 12/20/22 Analyzed: 12/20/22

Benzene	4.50	0.0250	5.00		89.9	70-130			
Ethylbenzene	4.71	0.0250	5.00		94.2	70-130			
Toluene	4.77	0.0250	5.00		95.4	70-130			
o-Xylene	4.83	0.0250	5.00		96.6	70-130			
p,m-Xylene	9.56	0.0500	10.0		95.6	70-130			
Total Xylenes	14.4	0.0250	15.0		95.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		99.9	70-130			

LCS Dup (2252015-BSD1)

Prepared: 12/20/22 Analyzed: 12/20/22

Benzene	4.58	0.0250	5.00		91.6	70-130	1.87	20	
Ethylbenzene	4.82	0.0250	5.00		96.4	70-130	2.30	20	
Toluene	4.87	0.0250	5.00		97.4	70-130	2.12	20	
o-Xylene	4.95	0.0250	5.00		98.9	70-130	2.44	20	
p,m-Xylene	9.78	0.0500	10.0		97.8	70-130	2.31	20	
Total Xylenes	14.7	0.0250	15.0		98.2	70-130	2.35	20	
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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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 (2252015-BLK1)

Prepared: 12/20/22 Analyzed: 12/20/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.7	70-130			

LCS (2252015-BS2)

Prepared: 12/20/22 Analyzed: 12/20/22

Gasoline Range Organics (C6-C10)	60.9	20.0	50.0		122	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		8.00		100	70-130			

LCS Dup (2252015-BSD2)

Prepared: 12/20/22 Analyzed: 12/20/22

Gasoline Range Organics (C6-C10)	57.6	20.0	50.0		115	70-130	5.70	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.98		8.00		99.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2252012-BLK1)

Prepared: 12/20/22 Analyzed: 12/20/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.5		50.0		81.1	50-200			

LCS (2252012-BS1)

Prepared: 12/20/22 Analyzed: 12/20/22

Diesel Range Organics (C10-C28)	317	25.0	250		127	38-132			
Surrogate: n-Nonane	41.4		50.0		82.8	50-200			

Matrix Spike (2252012-MS1)

Source: E212113-15

Prepared: 12/20/22 Analyzed: 12/20/22

Diesel Range Organics (C10-C28)	233	25.0	250	ND	93.1	38-132			
Surrogate: n-Nonane	41.5		50.0		83.1	50-200			

Matrix Spike Dup (2252012-MSD1)

Source: E212113-15

Prepared: 12/20/22 Analyzed: 12/20/22

Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.9	38-132	0.208	20	
Surrogate: n-Nonane	46.0		50.0		92.0	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:56:54PM
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Anions by EPA 300.0/9056A

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 (2252019-BLK1)

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride ND 20.0

LCS (2252019-BS1)

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride 253 20.0 250 101 90-110

Matrix Spike (2252019-MS1)

Source: E212113-01

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride 252 20.0 250 ND 101 80-120

Matrix Spike Dup (2252019-MSD1)

Source: E212113-01

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride 257 20.0 250 ND 103 80-120 2.05 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 44	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/21/22 14:56

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: <u>Burton Flat Deep Well 44</u>		Attention: <u>Devon</u>		Lab WO# <u>E212113</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Tom Bynum		Address:		City, State, Zip		Analysis and Method						RCRA					
Address: 5614 N. Lovington Hwy.		Phone:		Pima Project # <u>1-197</u>								State					
City, State, Zip Hobbs, NM. 88240		Email:										NM		CO	UT	AZ	TX
Phone: 580-748-1613																	
Email: tom@pimaoil.com																	
Report due by:																	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
10:05	12/17/22	S	1	CS-1	1							X		
10:10				CS-2	2									
10:15				CS-3	3									
10:20				CS-4	4									
10:25				CS-5	5									
10:30				CS-6	6									
10:35				CS-7	7									
10:40				CS-8	8									
10:45				CS-9	9									
10:50				CS-10	10									

Additional Instructions: Bill to Devon #21060749

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: A. Bernards

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) <u>A. Bernards</u>	Date <u>12/19/22</u>	Time <u>2:00</u>	Received by: (Signature) <u>Michelle Cuyk</u>	Date <u>12-19-22</u>	Time <u>1400</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Cuyk</u>	Date <u>12-19-22</u>	Time <u>1600</u>	Received by: (Signature) <u>Michelle Cuyk</u>	Date <u>12/20/22</u>	Time <u>13:00</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

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.



Client: Pima Environmental Services Project: <u>BURTON Flat Deep Unit 44</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: <u>Dean</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-157</u>		Lab Use Only Lab WO# <u>E212113</u> Job Number <u>Q058-0007</u> Analysis and Method		TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard		EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/> State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>	
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
1100	12/17/22	S	1	CS-11	11							X		
1105				CS-12	12									
1110				CS-13	13									
1115				CS-14	14									
1120				CS-15	15									
1125				CS-16	16									
1130				CS-17	17									
1135				CS-18	18									
1140				CS-19	19									
1145				CS-20	20									

Additional Instructions: Bill to Dean

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: A. Bernhardt

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) <u>A. Bernhardt</u>	Date <u>12/19/22</u>	Time <u>2:00</u>	Received by: (Signature) <u>Michelle Cey</u>	Date <u>12/19/22</u>	Time <u>1400</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Cey</u>	Date <u>12/19/22</u>	Time <u>1600</u>	Received by: (Signature) <u>Carla Ott</u>	Date <u>12/20/22</u>	Time <u>13:00</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

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 Analytical Laboratory

Printed: 12/20/2022 1:44:00PM

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:	12/20/22 13:00	Work Order ID:	E212113
Phone:	(575) 631-6977	Date Logged In:	12/19/22 16:30	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	12/20/22 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

Carrier: UPS

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

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

Comments/Resolution

Project Burton Flat Deep Unit 44-1 has been separated into 2 reports due to amount of samples.E212113 & E212114.

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 44

Work Order: E212114

Job Number: 01058-0007

Received: 12/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/21/22

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: 12/21/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Burton Flat Deep Unit 44
Workorder: E212114
Date Received: 12/20/2022 1:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/20/2022 1:00:00PM, under the Project Name: Burton Flat Deep Unit 44.

The analytical test results summarized in this report with the Project Name: Burton Flat Deep Unit 44 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
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

Project Name: Burton Flat Deep Unit 44
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
12/21/22 14:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-21	E212114-01A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-22	E212114-02A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-23	E212114-03A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-24	E212114-04A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-25	E212114-05A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-26	E212114-06A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-27	E212114-07A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-28	E212114-08A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-29	E212114-09A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-30	E212114-10A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-31	E212114-11A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CS-32	E212114-12A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-1	E212114-13A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-2	E212114-14A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-3	E212114-15A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-4	E212114-16A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-5	E212114-17A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-6	E212114-18A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-7	E212114-19A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-8	E212114-20A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-9	E212114-21A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-10	E212114-22A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-11	E212114-23A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-12	E212114-24A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-13	E212114-25A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-14	E212114-26A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-15	E212114-27A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-16	E212114-28A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.
CSW-17	E212114-29A	Soil	12/17/22	12/20/22	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CS-21

E212114-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.8 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CS-22

E212114-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	25.7	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CS-23

E212114-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.8 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CS-24

E212114-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.2 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CS-25

E212114-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CS-26

E212114-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.1 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CS-27

E212114-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.5 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CS-28

E212114-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.7 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CS-29

E212114-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CS-30

E212114-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.4 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.6 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CS-31

E212114-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.5 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.8 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CS-32

E212114-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.9 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/20/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/20/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CSW-1

E212114-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.8 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CSW-2

E212114-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.7 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CSW-3

E212114-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.6 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CSW-4

E212114-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/21/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/21/22	
Toluene	ND	0.0250	1	12/20/22	12/21/22	
o-Xylene	ND	0.0250	1	12/20/22	12/21/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/21/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %	70-130	12/20/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	12/20/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CSW-5

E212114-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/21/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/21/22	
Toluene	ND	0.0250	1	12/20/22	12/21/22	
o-Xylene	ND	0.0250	1	12/20/22	12/21/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/21/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.7 %	70-130	12/20/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	70-130	12/20/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CSW-6

E212114-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/21/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/21/22	
Toluene	ND	0.0250	1	12/20/22	12/21/22	
o-Xylene	ND	0.0250	1	12/20/22	12/21/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/21/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	12/20/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	12/20/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CSW-7

E212114-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/21/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/21/22	
Toluene	ND	0.0250	1	12/20/22	12/21/22	
o-Xylene	ND	0.0250	1	12/20/22	12/21/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/21/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.1 %	70-130	12/20/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	12/20/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CSW-8

E212114-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Benzene	ND	0.0250	1	12/20/22	12/21/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/21/22	
Toluene	ND	0.0250	1	12/20/22	12/21/22	
o-Xylene	ND	0.0250	1	12/20/22	12/21/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/21/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	70-130	12/20/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252016
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.9 %	70-130	12/20/22	12/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252011
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		121 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252018
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CSW-9

E212114-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		113 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252020
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CSW-10
E212114-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252020
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

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CSW-11
E212114-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252020
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CSW-12
E212114-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		109 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		109 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252020
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

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CSW-13
E212114-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252020
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

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CSW-14
E212114-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252020
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

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CSW-15
E212114-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		113 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252020
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CSW-16
E212114-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.3 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.3 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		112 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252020
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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CSW-17
E212114-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Benzene	ND	0.0250	1	12/20/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/20/22	12/20/22	
Toluene	ND	0.0250	1	12/20/22	12/20/22	
o-Xylene	ND	0.0250	1	12/20/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/20/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252017
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/22	12/20/22	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	12/20/22	12/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	12/20/22	12/20/22	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	12/20/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/22	12/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/22	12/21/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/20/22	12/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252020
Chloride	ND	20.0	1	12/20/22	12/20/22	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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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 (2252017-BLK1)

Prepared: 12/20/22 Analyzed: 12/20/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.461		0.500		92.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.452		0.500		90.4	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS (2252017-BS1)

Prepared: 12/20/22 Analyzed: 12/20/22

Benzene	2.20	0.0250	2.50		87.9	70-130			
Ethylbenzene	2.28	0.0250	2.50		91.1	70-130			
Toluene	2.18	0.0250	2.50		87.3	70-130			
o-Xylene	2.17	0.0250	2.50		86.9	70-130			
p,m-Xylene	4.32	0.0500	5.00		86.3	70-130			
Total Xylenes	6.49	0.0250	7.50		86.5	70-130			
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

LCS Dup (2252017-BSD1)

Prepared: 12/20/22 Analyzed: 12/20/22

Benzene	2.44	0.0250	2.50		97.7	70-130	10.5	23	
Ethylbenzene	2.46	0.0250	2.50		98.4	70-130	7.71	27	
Toluene	2.39	0.0250	2.50		95.5	70-130	8.90	24	
o-Xylene	2.28	0.0250	2.50		91.4	70-130	5.00	27	
p,m-Xylene	4.57	0.0500	5.00		91.3	70-130	5.66	27	
Total Xylenes	6.85	0.0250	7.50		91.3	70-130	5.44	27	
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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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 (2252016-BLK1)

Prepared: 12/20/22 Analyzed: 12/20/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.2	70-130			

LCS (2252016-BS1)

Prepared: 12/20/22 Analyzed: 12/20/22

Benzene	4.48	0.0250	5.00		89.5	70-130			
Ethylbenzene	4.70	0.0250	5.00		93.9	70-130			
Toluene	4.76	0.0250	5.00		95.2	70-130			
o-Xylene	4.85	0.0250	5.00		97.0	70-130			
p,m-Xylene	9.52	0.0500	10.0		95.2	70-130			
Total Xylenes	14.4	0.0250	15.0		95.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			

LCS Dup (2252016-BSD1)

Prepared: 12/20/22 Analyzed: 12/20/22

Benzene	4.33	0.0250	5.00		86.6	70-130	3.31	20	
Ethylbenzene	4.55	0.0250	5.00		91.1	70-130	3.09	20	
Toluene	4.61	0.0250	5.00		92.1	70-130	3.28	20	
o-Xylene	4.70	0.0250	5.00		94.0	70-130	3.20	20	
p,m-Xylene	9.24	0.0500	10.0		92.4	70-130	3.01	20	
Total Xylenes	13.9	0.0250	15.0		92.9	70-130	3.07	20	
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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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 (2252016-BLK1)

Prepared: 12/20/22 Analyzed: 12/20/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

LCS (2252016-BS2)

Prepared: 12/20/22 Analyzed: 12/20/22

Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			

LCS Dup (2252016-BSD2)

Prepared: 12/20/22 Analyzed: 12/20/22

Gasoline Range Organics (C6-C10)	49.6	20.0	50.0		99.2	70-130	1.88	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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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 (2252017-BLK1)

Prepared: 12/20/22 Analyzed: 12/20/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.461		0.500		92.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.452		0.500		90.4	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS (2252017-BS2)

Prepared: 12/20/22 Analyzed: 12/20/22

Gasoline Range Organics (C6-C10)	61.4	20.0	50.0		123	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS Dup (2252017-BSD2)

Prepared: 12/20/22 Analyzed: 12/20/22

Gasoline Range Organics (C6-C10)	59.4	20.0	50.0		119	70-130	3.33	20	
Surrogate: Bromofluorobenzene	0.477		0.500		95.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2252011-BLK1)

Prepared: 12/20/22 Analyzed: 12/20/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	46.6		50.0		93.2	50-200			

LCS (2252011-BS1)

Prepared: 12/20/22 Analyzed: 12/20/22

Diesel Range Organics (C10-C28)	233	25.0	250		93.2	38-132			
Surrogate: <i>n</i> -Nonane	50.3		50.0		101	50-200			

Matrix Spike (2252011-MS1)

Source: E212114-05

Prepared: 12/20/22 Analyzed: 12/20/22

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.2	38-132			
Surrogate: <i>n</i> -Nonane	51.5		50.0		103	50-200			

Matrix Spike Dup (2252011-MSD1)

Source: E212114-05

Prepared: 12/20/22 Analyzed: 12/20/22

Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	38-132	0.634	20	
Surrogate: <i>n</i> -Nonane	51.8		50.0		104	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2252013-BLK1)

Prepared: 12/20/22 Analyzed: 12/20/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.8		50.0		97.5	50-200			

LCS (2252013-BS1)

Prepared: 12/20/22 Analyzed: 12/20/22

Diesel Range Organics (C10-C28)	232	25.0	250		92.8	38-132			
Surrogate: n-Nonane	48.7		50.0		97.5	50-200			

Matrix Spike (2252013-MS1)

Source: E212096-01

Prepared: 12/20/22 Analyzed: 12/20/22

Diesel Range Organics (C10-C28)	231	25.0	250	ND	92.5	38-132			
Surrogate: n-Nonane	48.9		50.0		97.7	50-200			

Matrix Spike Dup (2252013-MSD1)

Source: E212096-01

Prepared: 12/20/22 Analyzed: 12/20/22

Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.6	38-132	1.17	20	
Surrogate: n-Nonane	50.7		50.0		101	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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Anions by EPA 300.0/9056A

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 (2252018-BLK1)

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride ND 20.0

LCS (2252018-BS1)

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride 256 20.0 250 102 90-110

Matrix Spike (2252018-MS1)

Source: E212114-01

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride 262 20.0 250 ND 105 80-120

Matrix Spike Dup (2252018-MSD1)

Source: E212114-01

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride 266 20.0 250 ND 106 80-120 1.66 20



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Burton Flat Deep Unit 44 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/21/2022 2:47:49PM
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Anions by EPA 300.0/9056A

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 (2252020-BLK1)

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride ND 20.0

LCS (2252020-BS1)

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride 255 20.0 250 102 90-110

Matrix Spike (2252020-MS1)

Source: E212114-21

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride 253 20.0 250 ND 101 80-120

Matrix Spike Dup (2252020-MSD1)

Source: E212114-21

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride 245 20.0 250 ND 97.8 80-120 3.59 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 44	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/21/22 14:47

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: <u>Burton Flat Deep Unit 44</u>		Attention: <u>Devon</u>		Lab WO# <u>E212114</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA														
Project Manager: Tom Bynum		Address:		Analysis and Method						RCRA																	
Address: 5614 N. Lovington Hwy.		City, State, Zip																									
City, State, Zip Hobbs, NM, 88240		Phone:		DRO/DRO by 8015			GRO/DRO by 8015			BTEX by 8021			VOC by 8260			Metals 6010			Chloride 300.0			BGDOC NM			BGDOC TX		
Phone: 580-748-1613		Email:																									
Email: tom@pimaoil.com		Pima Project # <u>1-197</u>		State			NM			CO			UT			AZ			TX								
Report due by:																											

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
1150	12/19/22	S	1	CS-21	1							X		
1155				CS-22	2									
1200				CS-23	3									
1205				CS-24	4									
1210				CS-25	5									
1215				CS-26	6									
1220				CS-27	7									
1225				CS-28	8									
1230				CS-29	9									
1235				CS-30	10									

Additional Instructions: Bill to Devon

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

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) <u>A. Bynum</u>	Date <u>12/19/22</u>	Time <u>2:00</u>	Received by: (Signature) <u>Michelle Cuyk</u>	Date <u>12-19-22</u>	Time <u>1400</u>	Lab Use Only Received on ice: <u>(Y)</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Cuyk</u>	Date <u>12-19-22</u>	Time <u>1400</u>	Received by: (Signature) <u>Autie Chert</u>	Date <u>12/20/22</u>	Time <u>13:00</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

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.



Client: Pima Environmental Services		Bill To		Lab Use Only		TAT			EPA Program								
Project: <u>Burton Plat Dec 44</u>		Attention: <u>Devon</u>		Lab WO# <u>E212114</u>		Job Number <u>01058-0007</u>			1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Tom Bynum		Address:		E212114		01058-0007			X								
Address: 5614 N. Lovington Hwy.		City, State, Zip		Analysis and Method						RCRA							
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:															
Phone: 580-748-1613		Email:								State							
Email: <u>tom@pimaoil.com</u>		Pima Project # <u>1-157</u>		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	NM	CO	UT	AZ	TX
Report due by:										Remarks							

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	Remarks
1240	12/17/22	S	1	CS-31	11								X		
1245				CS-32	12										
1250				CSW-1	13										
1255				CSW-2	14										
1300				CSW-3	15										
1305				CSW-4	16										
1310				CSW-5	17										
1315				CSW-6	18										
1320				CSW-7	19										
1325				CSW-8	20										

Additional Instructions: Bill to Devon

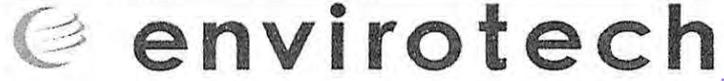
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.
 Sampled by: A. Bravado

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) <u>[Signature]</u>	Date <u>12/19/22</u>	Time <u>2:00</u>	Received by: (Signature) <u>Michelle Cyp</u>	Date <u>12-19-22</u>	Time <u>1400</u>	Lab Use Only Received on ice: <u>(Y) / N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Cyp</u>	Date <u>12-19-22</u>	Time <u>1600</u>	Received by: (Signature) <u>Carth Chat</u>	Date <u>12/20/22</u>	Time <u>13:00</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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.



Client: Pima Environmental Services		Bill To		Lab Use Only		TAT			EPA Program					
Project: <u>Burned Flat Deep unit 44</u>		Attention: <u>Devon</u>		Lab WO# <u>E212114</u>		Job Number <u>01058-0007</u>			1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		City, State, Zip		Analysis and Method			RCRA					
Address: 5614 N. Lovington Hwy.		Phone:		City, State, Zip		Analysis and Method			State					
City, State, Zip Hobbs, NM, 88240		Email:		Pima Project # <u>1-157</u>		Analysis and Method			NM					
Phone: 580-748-1613		Email:				Analysis and Method			CO					
Email: tom@pimaoil.com		Report due by:				Analysis and Method			UT					
						Analysis and Method			AZ					
						Analysis and Method			TX					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
1330	12/17/22	S	1	CSW-9	21							X		
1335				CSW-10	22									
1340				CSW-11	23									
1345				CSW-12	24									
1350				CSW-13	25									
1355				CSW-14	26									
1400				CSW-15	27									
1405				CSW-16	28									
1410				CSW-17	29							X		

Additional Instructions: Bill To Devon

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

Relinquished by: (Signature) <u>A. Brevier</u>	Date <u>12/19/22</u>	Time <u>2:00</u>	Received by: (Signature) <u>Michelle Cayula</u>	Date <u>12-19-22</u>	Time <u>1400</u>	Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Cayula</u>	Date <u>12-19-22</u>	Time <u>1600</u>	Received by: (Signature) <u>Devon</u>	Date <u>12/20/22</u>	Time <u>13:00</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

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 Analytical Laboratory

Printed: 12/20/2022 1:47:47PM

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:	12/20/22 13:00	Work Order ID:	E212114
Phone:	(575) 631-6977	Date Logged In:	12/19/22 16:36	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	12/20/22 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

Carrier: UPS

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

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

Comments/Resolution

Project Burton Flat Deep Unit 44-1 has been separated into 2 reports due to amount of samples.E212113 & E212114.

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 194759

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 194759
	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 #NAPP2222463832 BURTONFLAT DEEP UNIT 44 SWD, thank you. This closure is approved.	7/12/2023