

Incident ID	nAPP2225024897
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

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

OCD Only

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

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

Closure Approved by: *Robert Hamlet* Date: 8/1/2023
 Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

Incident ID	nAPP2225024897
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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 1/2-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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Received by: Jocelyn Harimon Date: 03/20/2023

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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



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

March 15, 2023

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

Re: Site Assessment, Remediation, and Closure Report
Ice Dancer 30 Fed Com 2H
API No. 30-015-39473
GPS: Latitude 32.269797 Longitude -103.918445
UL -- O, 30, T23S, R30E
Eddy County, NM
NMOCD Ref. No. NAPP2225024897

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a produced water release that occurred at the Ice Dancer 30 Fed Com 2H (Ice Dancer). The initial C-141 was submitted on September 14, 2022 (Appendix C). This incident was assigned Incident ID NAPP2225024897 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Ice Dancer is located approximately ten (10) miles east of Loving, NM. This spill site is in Unit O, Section 30, Township 23S, Range 30E, Latitude 32.269797 Longitude -103.918445, 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 Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Kermit-Berino fine sands, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is excessively drained. There is a High potential for karst geology to be present around the Ice Dancer (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 105 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 436 feet BGS. The closest waterway is Salt Playa located approximately 3.12 miles to the northwest 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

NAPP2225024897: On July 25, 2022, a poly line developed a leak and causing produced water to be release. The released fluids were calculated to be approximately 208 barrels (bbls) of produced water. Vacuum trucks were able to recover approximately 140 bbls of standing fluid.

Remediation Activities, Site Assessment, and Soil Sampling Results

On September 14, 2023, Pima mobilized personnel to the site to begin collecting soil samples from spill area. Pima returned to the site to further delineate on November 15, 2022, and November 29, 2022. The laboratory results of this sampling events can be found in the following data table. A Site Map can be found in Figure 4.

9-14-22 & 11-15-22 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
DEVON ENERGY - ICE DANCER 30 FED COM 2H									
NM Approved Laboratory Results									
Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	9/14/2022	1'	ND	ND	ND	ND	ND	0	3720
		3'	ND	ND	ND	ND	ND	0	7160
	11/15/2022	7'	ND	ND	ND	36.4	ND	0	34.9
		13'	ND	ND	ND	ND	ND	0	ND
S-2	9/14/2022	1'	ND	ND	ND	ND	ND	0	4780
		3'	ND	ND	ND	ND	ND	0	5440
	11/15/2022	7'	ND	ND	ND	ND	ND	0	6440
		13'	ND	ND	ND	ND	ND	0	ND
S-3	9/14/2022	1'	ND	ND	ND	ND	ND	0	6420
		3'	ND	ND	ND	ND	ND	0	6280
	11/15/2022	7'	ND	ND	ND	ND	ND	0	3140
		13'	ND	ND	ND	ND	ND	0	ND
S-4	9/14/2022	1'	ND	ND	ND	ND	ND	0	7170
		3'	ND	ND	ND	ND	ND	0	7640
S-5	9/14/2022	1'	ND	ND	ND	ND	ND	0	4990
		3'	ND	ND	ND	ND	ND	0	3150
S-6	9/14/2022	1'	ND	ND	ND	ND	ND	0	6250
		3'	ND	ND	ND	ND	ND	0	2110
S-7	9/14/2022	1'	ND	ND	ND	ND	ND	0	2480
		3'	ND	ND	ND	ND	ND	0	1550
SW 1	9/14/2022	1'	ND	ND	ND	ND	ND	0	ND
SW 2		1'	ND	ND	ND	ND	ND	0	ND
SW 3		1'	ND	ND	ND	ND	ND	0	ND
SW 4		1'	ND	ND	ND	ND	ND	0	ND
SW 5		1'	ND	ND	ND	ND	ND	0	ND
SW 6		1'	ND	ND	ND	ND	ND	0	ND
BG 1		1'	ND	ND	ND	ND	ND	0	ND
BG 2		1'	ND	ND	ND	ND	ND	0	ND

11-29-22 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
DEVON ENERGY - ICE DANCER 30 FED COM 2H									
NM Approved Laboratory Results									
Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-4	11/29/2022	7'	ND	ND	ND	ND	ND	0	860
		13'	ND	ND	ND	ND	ND	0	ND
S-5		7'	ND	ND	ND	ND	ND	0	6170
		13'	ND	ND	ND	ND	ND	0	ND
S-6		7'	ND	ND	ND	ND	ND	0	6430
		13'	ND	ND	ND	ND	ND	0	ND
S-7		7'	ND	ND	ND	ND	ND	0	6330
		13'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

On January 23, 2023, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. They began excavating the area to a depth of 13' BGS. The contaminated soil 514 cubic yards were hauled to an approved, lined disposal facility and clean backfill material was brought in.

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

2-5-23 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -ICE DANCER 30 FED COM 2H								
Sample Date: 2/5/23		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS 1	13'	ND	ND	ND	ND	ND	0	ND
CS 2	13'	ND	ND	ND	ND	ND	0	ND
CS 3	13'	ND	ND	ND	ND	ND	0	ND
CS 4	13'	ND	ND	ND	ND	ND	0	ND
CS 5	13'	ND	ND	ND	ND	ND	0	ND
CS 6	13'	ND	ND	ND	ND	ND	0	ND
CS 7	13'	ND	ND	ND	ND	ND	0	ND
CS 8	13'	ND	ND	ND	ND	ND	0	ND
CS 9	13'	ND	ND	ND	ND	ND	0	ND
CSW 1	13'	ND	ND	ND	ND	ND	0	ND
CSW 2	13'	ND	ND	ND	ND	ND	0	ND
CSW 3	13'	ND	ND	ND	ND	ND	0	ND
CSW 4	13'	ND	ND	ND	ND	ND	0	ND
CSW 5	13'	ND	ND	ND	ND	ND	0	ND
CSW 6	13'	ND	ND	ND	ND	ND	0	ND
CSW 7	13'	ND	ND	ND	ND	ND	0	ND
CSW 8	13'	ND	ND	ND	ND	ND	0	ND
CSW 9	13'	ND	ND	ND	ND	ND	0	ND
CSW 10	13'	ND	ND	ND	ND	ND	0	ND
CSW 11	13'	ND	ND	ND	ND	ND	0	ND
CSW 12	13'	ND	ND	ND	ND	ND	0	ND
CSW 13	13'	ND	ND	ND	ND	ND	0	ND
CSW 14	13'	ND	ND	ND	ND	ND	0	ND
CSW 15	13'	ND	ND	ND	ND	ND	0	ND
CSW 16	13'	ND	ND	ND	ND	ND	0	ND
CSW 17	13'	ND	ND	ND	ND	ND	0	ND
CSW 18	13'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

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

Closure Request

After careful review, Pima requests that this incident, NAPP2225024897 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

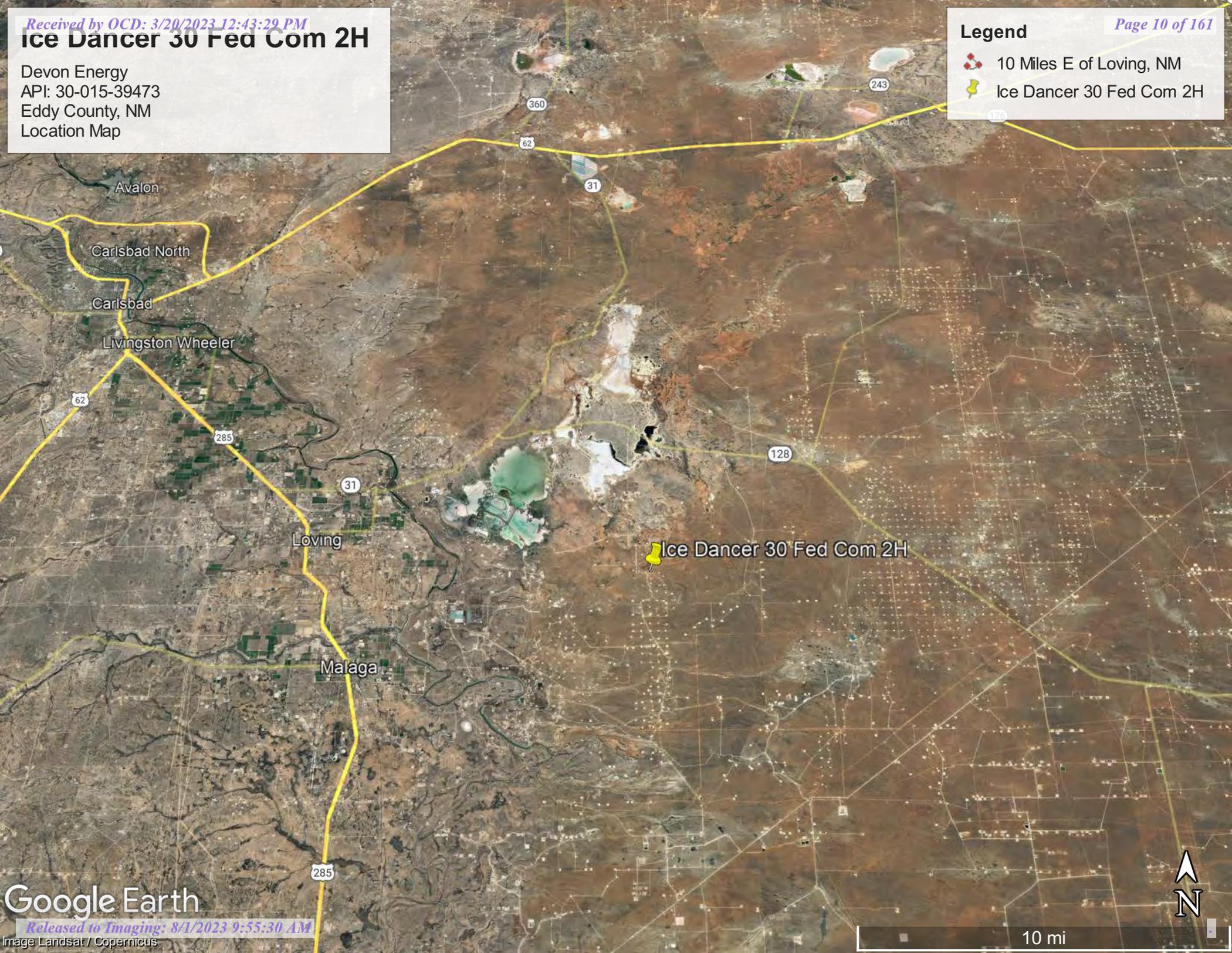
5-Confirmation Site Map

Ice Dancer 30 Fed Com 2H

Devon Energy
API: 30-015-39473
Eddy County, NM
Location Map

Legend

-  10 Miles E of Loving, NM
-  Ice Dancer 30 Fed Com 2H

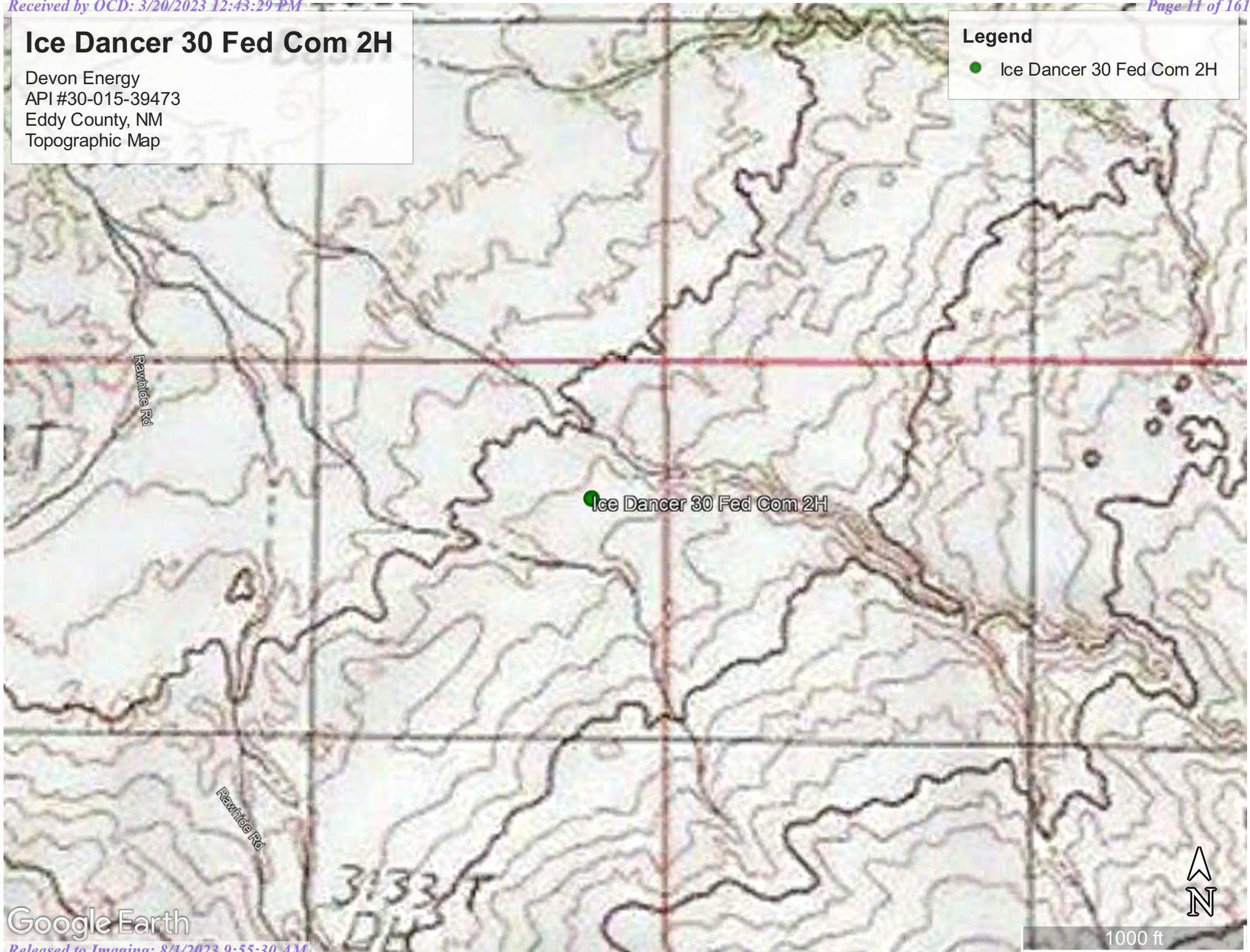


 Ice Dancer 30 Fed Com 2H



Ice Dancer 30 Fed Com 2H
 Devon Energy
 API #30-015-39473
 Eddy County, NM
 Topographic Map

Legend
 ● Ice Dancer 30 Fed Com 2H

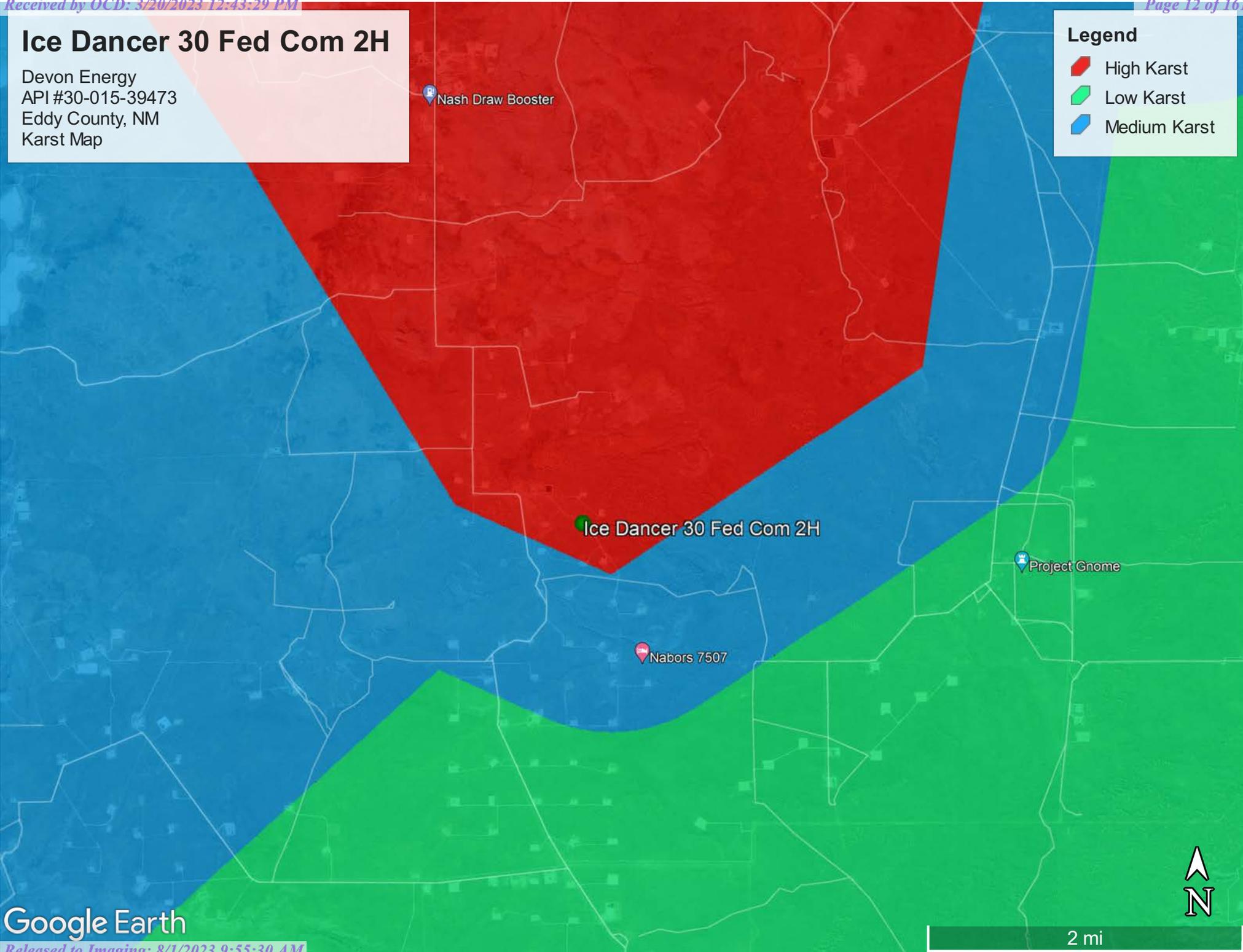


Ice Dancer 30 Fed Com 2H

Devon Energy
API #30-015-39473
Eddy County, NM
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst



Ice Dancer 30 Fed Com 2

Devon Energy
32.269797,-103.918445
API:30-015-39473
Eddy County, NM
Site Map

- Release Area
- ⊙ Sample Location



N

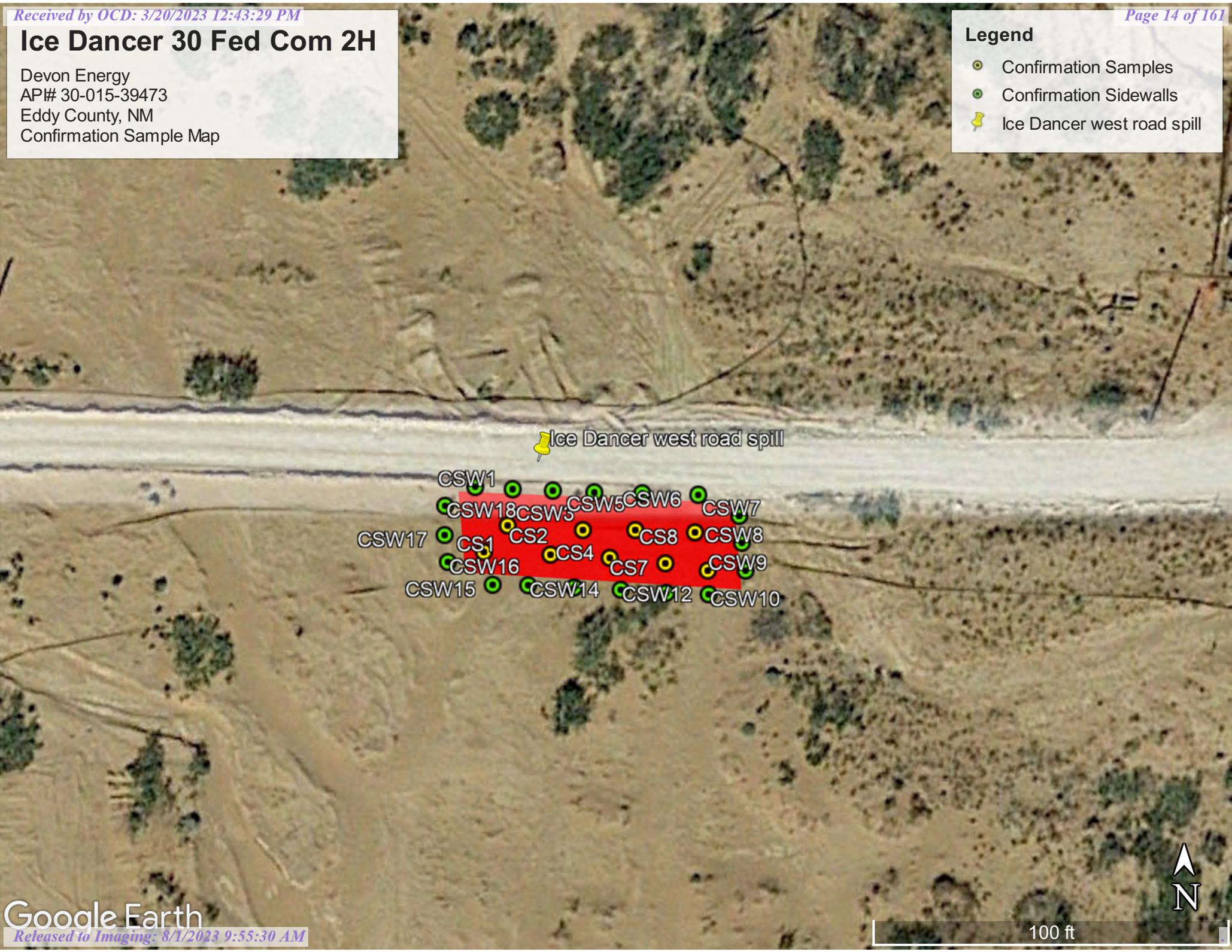
80 ft

Ice Dancer 30 Fed Com 2H

Devon Energy
API# 30-015-39473
Eddy County, NM
Confirmation Sample Map

Legend

- Confirmation Samples
- Confirmation Sidewalls
- Ice Dancer west road spill



Ice Dancer west road spill

CSW1
 CSW18 CSW3 CSW5 CSW6 CSW7
 CSW17 CS1 CS2 CS8 CSW8
 CSW16 CS4 CS7 CSW9
 CSW15 CSW14 CSW12 CSW10





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	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_02486	C	C	ED	3	2	3	19	23S	30E	601304	3572832*	2511	350		
C_04526 POD1	CUB	CUB	ED	4	1	4	06	24S	30E	601899	3568060	2514			
C_04497 POD1	CUB	CUB	ED	1	2	3	04	24S	30E	604660	3568278	3248	110		
C_03908 POD3	CUB	CUB	ED	3	1	3	34	23S	30E	605851	3569640	3638	463		
C_03908 POD2	CUB	CUB	ED	3	1	3	34	23S	30E	605872	3569594	3670	518		
C_03478 POD1	C	C	ED	3	2	1	21	23S	30E	604638	3573670	3893	230	105	125
C_02108	CUB	CUB	ED		1	3	08	24S	30E	602702	3566487*	4068	200	186	14
C_04018 POD1	CUB	CUB	ED	2	2	1	21	23S	30E	604664	3573868	4069	380	179	201
C_02095	CUB	CUB	ED		2	3	34	23S	30E	606337	3569759*	4086	554	440	114
C_03908 POD4	CUB	CUB	ED	3	2	1	34	23S	30E	606333	3569605	4114	1137		
C_03908 POD1	CUB	CUB	ED	3	4	3	34	23S	30E	606331	3569300	4192	760		
C_04472 POD1	CUB	CUB	ED	2	2	4	13	23S	29E	600639	3574619	4415		37	
C_04326 POD16	CUB	CUB	ED	2	4	3	23	23S	29E	598209	3572664	4632	64	54	10
C_04326 POD14	CUB	CUB	ED	4	2	3	23	23S	29E	598191	3572765	4696	58	54	4

Average Depth to Water: **150 feet**
 Minimum Depth: **37 feet**
 Maximum Depth: **440 feet**

Record Count: 14

UTMNAD83 Radius Search (in meters):

Easting (X): 602325.21

Northing (Y): 3570537.98

Radius: 5000

*UTM location was derived from PLSS - see Help

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

7/7/21 10:28 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

Click to hide News Bulletins

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

Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

site_no list =

- 321542103522801

Minimum number of levels = 1

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

USGS 321542103522801 23S.30E.34.133144 USGS-4

Available data for this site

Groundwater: Field measurements

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°15'45.42", Longitude 103°52'36.09" NAD83

Land-surface elevation 3,413 feet above NAVD88

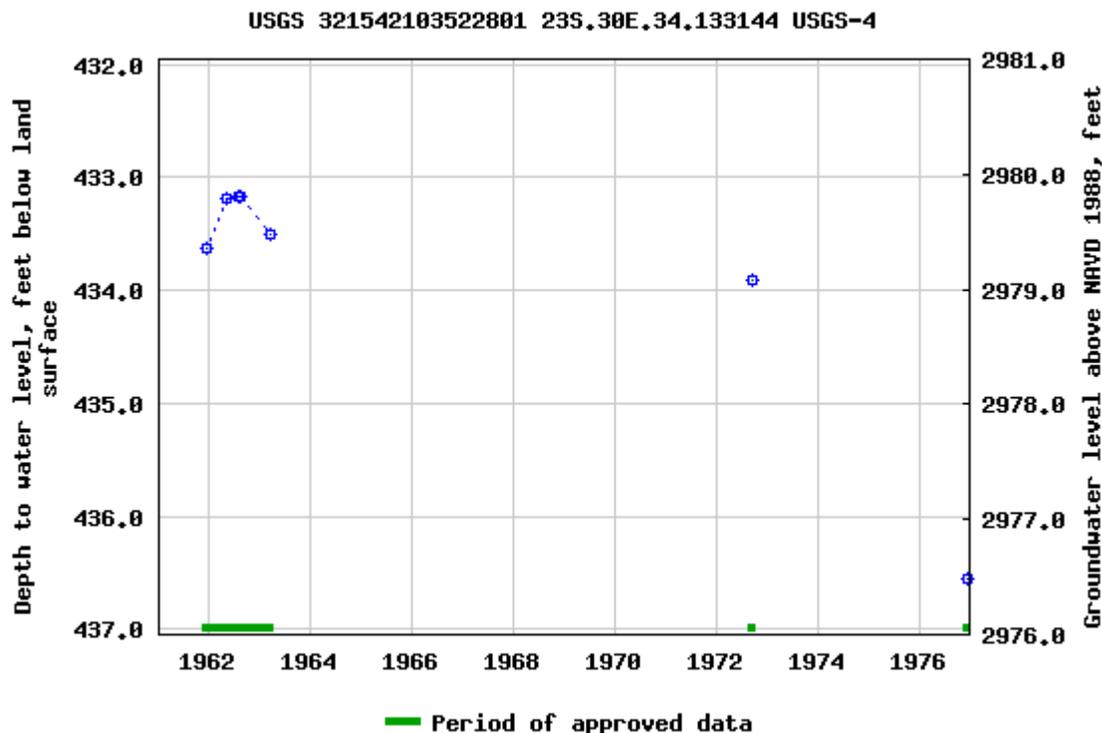
The depth of the well is 518 feet below land surface.

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

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

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.
[Download a presentation-quality graph](#)

- [Questions about sites/data?](#)
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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: 2021-07-07 12:15:23 EDT

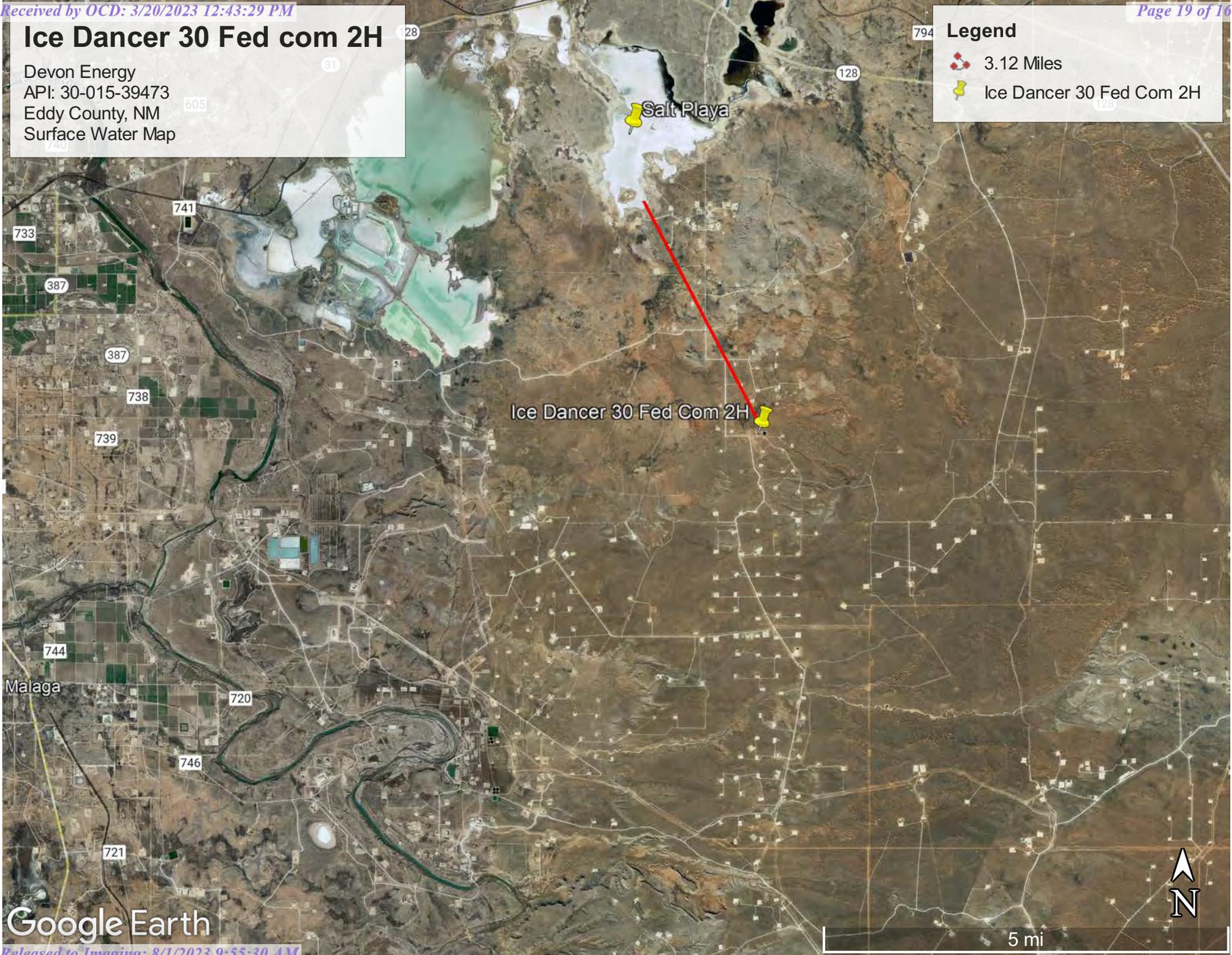
0.58 0.51 nadww02

Ice Dancer 30 Fed com 2H

Devon Energy
API: 30-015-39473
Eddy County, NM
Surface Water Map

Legend

-  3.12 Miles
-  Ice Dancer 30 Fed Com 2H



Google Earth



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q
Elevation: 3,100 to 4,200 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent
Berino and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Alluvial fans, plains
Landform position (three-dimensional): Rise, talf
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand
H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R042XC005NM - Deep Sand
Hydric soil rating: No

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Description of Berino

Setting

Landform: Fan piedmonts, plains
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 16, Jun 8, 2020

National Flood Hazard Layer FIRMette



103°55'8"W 32°16'16"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 |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation |
| | | 17.5 Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| 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.





Wetlands Map



January 10, 2023

Wetlands

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

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



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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	nAPP2225024897
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.269797 Longitude -103.918445
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Ice Dancer 30 Fed Com 2H	Site Type Oil
Date Release Discovered 9/2/2022	API# (if applicable) 30-015-39473

Unit Letter	Section	Township	Range	County
O	30	23S	30E	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) 208 BBLs	Volume Recovered (bbls) 140 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 Fluid release from ploy line.

Incident ID	nAPP2225024897
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 25 BBLS.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Email notification given to OCD by Dale Woodall on 9/3/2022.	

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>09/14/2022</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>09/14/2022</u>

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>888</u>	<u>24.000</u>
Cubic Feet of Soil Impacted	<u>1776.000</u>
Barrels of Soil Impacted	<u>316.58</u>
Soil Type	Sand
Barrels of Oil Assuming 100% Saturation	<u>63.32</u>
Saturation	Damp no fluid when squeezed
Estimated Barrels of Oil Released	
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>888</u>	<u>11.000</u>
Standing fluid	<u>145.098</u>
<u>Total fluids spilled</u>	<u>208.414</u>

Incident ID	nAPP2225024897
District RP	
Facility ID	
Application ID	

>

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u><50</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

Incident ID	nAPP2225024897
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 3/20/2023

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

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2225024897
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Pima Environmental Services

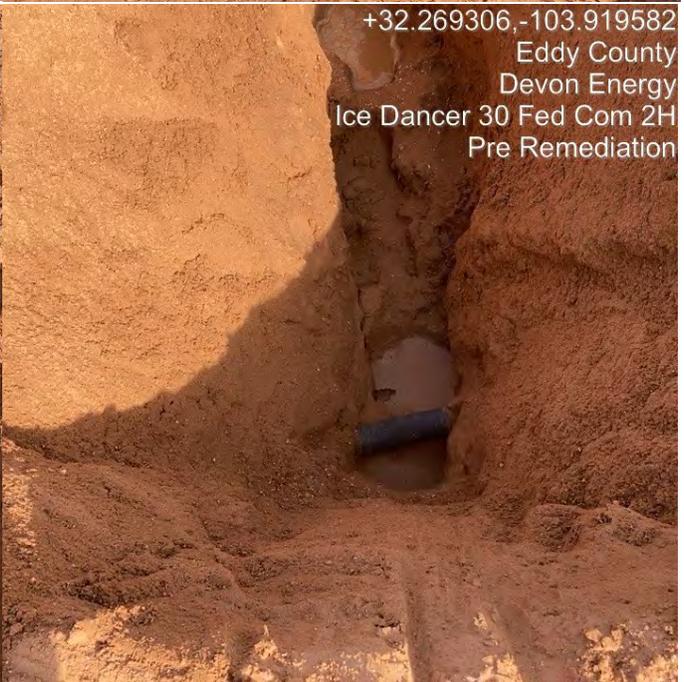
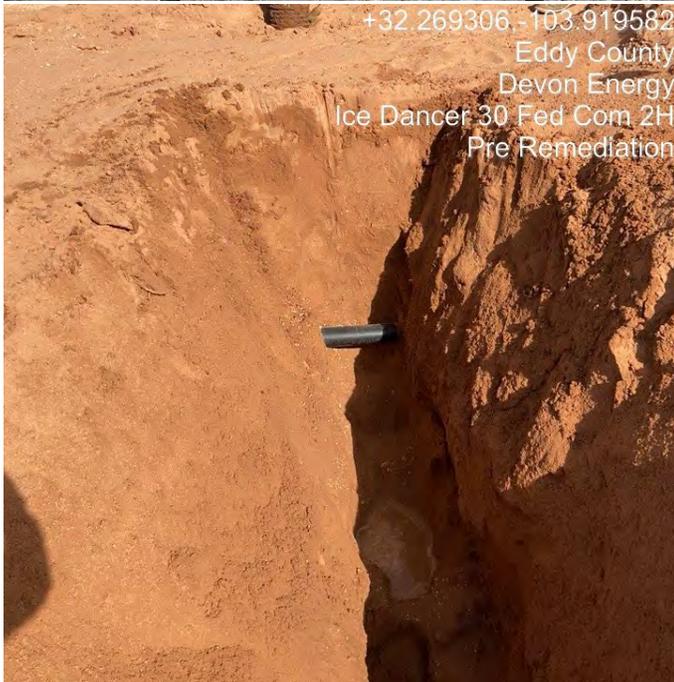
Appendix D

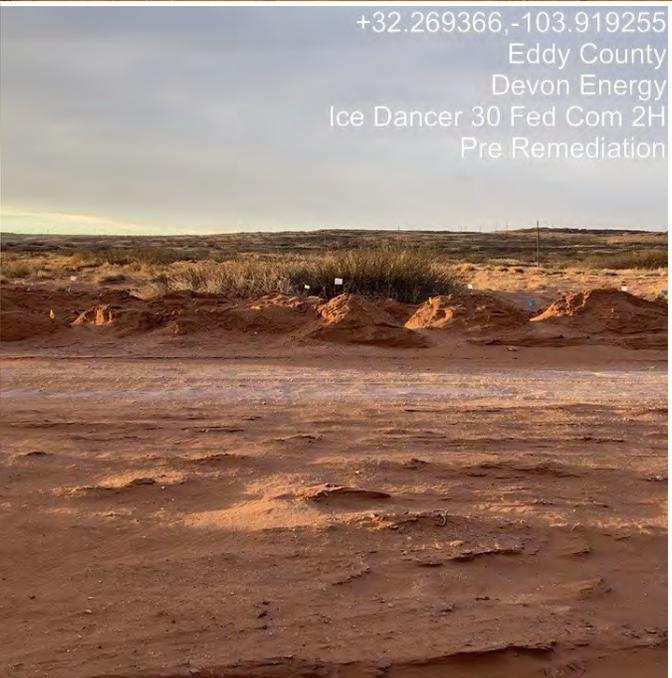
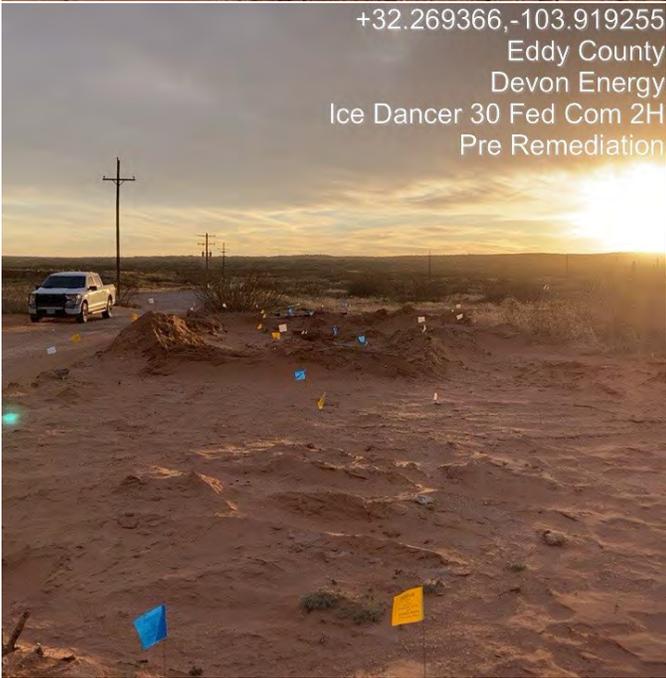
Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY
ICE DANCER 30 FED COM 2H**

Pre-Excavation







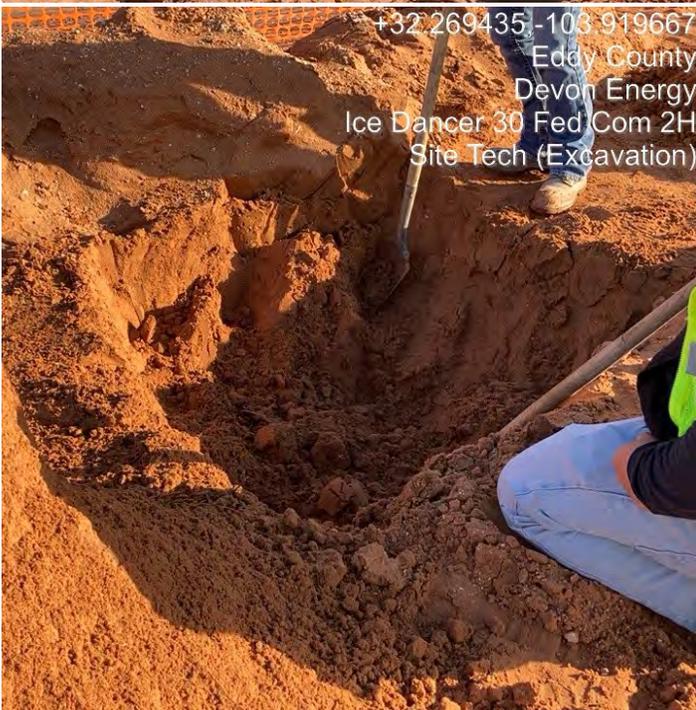
Excavation



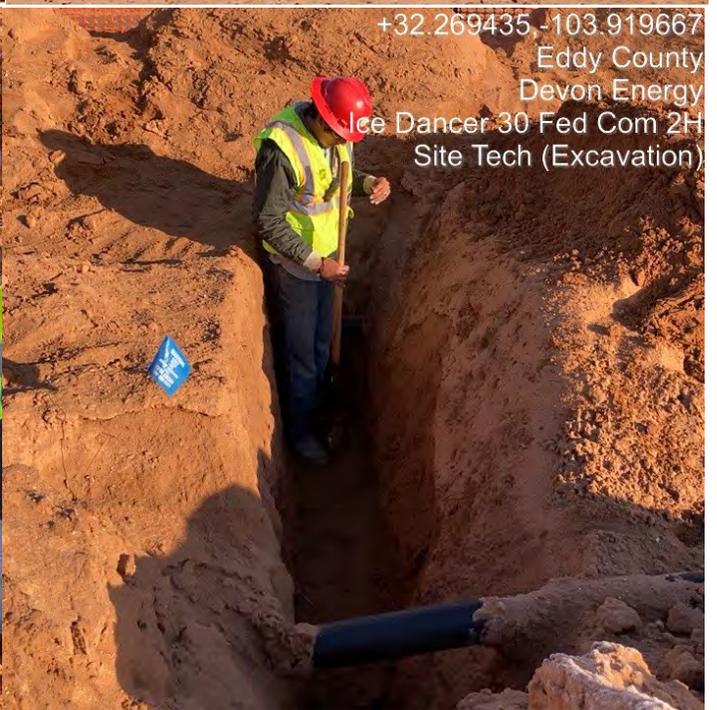
+32.269333, -103.919338
Eddy County
Devon Energy
Ice Dancer 30 Fed Com 2H
Site Tech (Excavation)



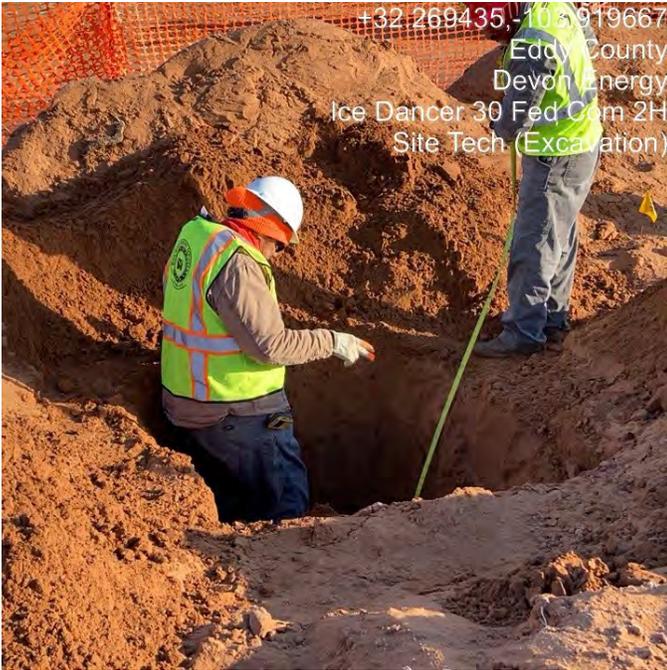
+32.269465, -103.919524
Eddy County
Devon Energy
Ice Dancer 30 Fed Com 2H
Site Tech (Excavation)



+32.269435, -103.919667
Eddy County
Devon Energy
Ice Dancer 30 Fed Com 2H
Site Tech (Excavation)



+32.269435, -103.919667
Eddy County
Devon Energy
Ice Dancer 30 Fed Com 2H
Site Tech (Excavation)



Post Excavation







+32.269380,-103.919857
Eddy County
Devon Energy
Ice Dancer 30 Fed Com 2H
Post Remediation
(West Road Spill)





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: Pipeline Spill 200ft W of Ice
Dancer 30 Fed Com 2H

Work Order: E209092

Job Number: 01058-0001

Received: 9/17/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/22/22

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: 9/22/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H
Workorder: E209092
Date Received: 9/17/2022 11:50:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/17/2022 11:50:00AM, under the Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H.

The analytical test results summarized in this report with the Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H 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: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H
Project Number: 01058-0001
Project Manager: Tom Bynum

Reported:
09/22/22 14:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S.1 1'	E209092-01A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
S.1 3'	E209092-02A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
S.2 1'	E209092-03A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
S.2 3'	E209092-04A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
S.3 1'	E209092-05A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
S.3 3'	E209092-06A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
S.4 1'	E209092-07A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
S.4 3'	E209092-08A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
S.5 1'	E209092-09A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
S.5 3'	E209092-10A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
S.6 1'	E209092-11A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
S.6 3'	E209092-12A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
S.7 1'	E209092-13A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
S.7 3'	E209092-14A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
SW1	E209092-15A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
SW2	E209092-16A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
SW3	E209092-17A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
SW4	E209092-18A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
SW5	E209092-19A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
SW6	E209092-20A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
BG1	E209092-21A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.
BG2	E209092-22A	Soil	09/14/22	09/17/22	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
---	--	---

S.1 1'
E209092-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.7 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.7 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		82.4 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	3720	40.0	2	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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S.1 3'

E209092-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.5 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		80.7 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		82.4 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	7160	100	5	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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S.2 1'

E209092-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.9 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.9 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		72.6 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	4780	40.0	2	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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S.2 3'

E209092-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.3 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.8 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		82.4 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	5440	100	5	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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S.3 1'

E209092-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.7 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.3 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		83.8 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	6420	100	5	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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S.3 3'

E209092-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.7 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		81.6 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	6280	100	5	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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S.4 1'

E209092-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.6 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		79.5 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	7170	200	10	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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S.4 3'

E209092-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.4 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.5 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		78.6 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	7640	200	10	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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S.5 1'

E209092-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.2 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.8 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		87.9 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	4990	100	5	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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S.5 3'

E209092-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.8 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		77.6 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	3150	40.0	2	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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S.6 1'

E209092-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.2 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		82.9 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	6250	100	5	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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S.6 3'

E209092-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.0 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		81.1 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	2110	20.0	1	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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S.7 1'

E209092-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.4 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.7 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		81.9 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	2480	40.0	2	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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S.7 3'

E209092-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.1 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		80.6 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	1550	20.0	1	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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SW1

E209092-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.1 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		83.9 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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SW2

E209092-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.6 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		82.3 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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SW3

E209092-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.2 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.9 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		81.6 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	ND	20.0	1	09/20/22	09/22/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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SW4

E209092-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.7 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		80.4 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	ND	20.0	1	09/20/22	09/22/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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SW5

E209092-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.2 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		82.3 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	ND	20.0	1	09/20/22	09/22/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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SW6

E209092-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Benzene	ND	0.0250	1	09/19/22	09/20/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/20/22	
Toluene	ND	0.0250	1	09/19/22	09/20/22	
o-Xylene	ND	0.0250	1	09/19/22	09/20/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/20/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2239003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		80.9 %	70-130	09/19/22	09/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/20/22	
<i>Surrogate: n-Nonane</i>		81.7 %	50-200	09/20/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239047
Chloride	ND	20.0	1	09/20/22	09/22/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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BG1

E209092-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2238084
Benzene	ND	0.0250	1	09/17/22	09/18/22	
Ethylbenzene	ND	0.0250	1	09/17/22	09/18/22	
Toluene	ND	0.0250	1	09/17/22	09/18/22	
o-Xylene	ND	0.0250	1	09/17/22	09/18/22	
p,m-Xylene	ND	0.0500	1	09/17/22	09/18/22	
Total Xylenes	ND	0.0250	1	09/17/22	09/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	09/17/22	09/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2238084
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/22	09/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		80.4 %	70-130	09/17/22	09/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239026
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/21/22	
<i>Surrogate: n-Nonane</i>		74.2 %	50-200	09/20/22	09/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239048
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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BG2

E209092-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2238084
Benzene	ND	0.0250	1	09/17/22	09/18/22	
Ethylbenzene	ND	0.0250	1	09/17/22	09/18/22	
Toluene	ND	0.0250	1	09/17/22	09/18/22	
o-Xylene	ND	0.0250	1	09/17/22	09/18/22	
p,m-Xylene	ND	0.0500	1	09/17/22	09/18/22	
Total Xylenes	ND	0.0250	1	09/17/22	09/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.9 %	70-130	09/17/22	09/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2238084
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/22	09/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.5 %	70-130	09/17/22	09/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239026
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/22	09/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/22	09/21/22	
<i>Surrogate: n-Nonane</i>		74.9 %	50-200	09/20/22	09/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239048
Chloride	ND	20.0	1	09/20/22	09/21/22	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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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 (2238084-BLK1)

Prepared: 09/17/22 Analyzed: 09/18/22

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	8.16		8.00		102	70-130			

LCS (2238084-BS1)

Prepared: 09/17/22 Analyzed: 09/18/22

Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	4.25	0.0250	5.00		85.0	70-130			
Toluene	4.49	0.0250	5.00		89.7	70-130			
o-Xylene	4.34	0.0250	5.00		86.7	70-130			
p,m-Xylene	8.63	0.0500	10.0		86.3	70-130			
Total Xylenes	13.0	0.0250	15.0		86.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

LCS Dup (2238084-BSD1)

Prepared: 09/17/22 Analyzed: 09/18/22

Benzene	5.49	0.0250	5.00		110	70-130	8.99	20	
Ethylbenzene	4.63	0.0250	5.00		92.6	70-130	8.55	20	
Toluene	4.89	0.0250	5.00		97.8	70-130	8.56	20	
o-Xylene	4.72	0.0250	5.00		94.4	70-130	8.50	20	
p,m-Xylene	9.37	0.0500	10.0		93.7	70-130	8.17	20	
Total Xylenes	14.1	0.0250	15.0		93.9	70-130	8.28	20	
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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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 (2239003-BLK1)

Prepared: 09/19/22 Analyzed: 09/19/22

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	7.93		8.00		99.2	70-130			

LCS (2239003-BS1)

Prepared: 09/19/22 Analyzed: 09/19/22

Benzene	4.27	0.0250	5.00		85.3	70-130			
Ethylbenzene	3.65	0.0250	5.00		73.1	70-130			
Toluene	3.82	0.0250	5.00		76.5	70-130			
o-Xylene	3.71	0.0250	5.00		74.1	70-130			
p,m-Xylene	7.42	0.0500	10.0		74.2	70-130			
Total Xylenes	11.1	0.0250	15.0		74.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

LCS Dup (2239003-BSD1)

Prepared: 09/19/22 Analyzed: 09/19/22

Benzene	4.79	0.0250	5.00		95.7	70-130	11.5	20	
Ethylbenzene	4.10	0.0250	5.00		81.9	70-130	11.5	20	
Toluene	4.30	0.0250	5.00		86.1	70-130	11.8	20	
o-Xylene	4.17	0.0250	5.00		83.4	70-130	11.8	20	
p,m-Xylene	8.30	0.0500	10.0		83.0	70-130	11.2	20	
Total Xylenes	12.5	0.0250	15.0		83.2	70-130	11.4	20	
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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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 (2238084-BLK1)

Prepared: 09/17/22 Analyzed: 09/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.15		8.00		76.9	70-130			

LCS (2238084-BS2)

Prepared: 09/17/22 Analyzed: 09/18/22

Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.60		8.00		82.5	70-130			

LCS Dup (2238084-BSD2)

Prepared: 09/17/22 Analyzed: 09/18/22

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0		103	70-130	1.03	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.54		8.00		81.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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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 (2239003-BLK1)

Prepared: 09/19/22 Analyzed: 09/19/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.60		8.00		82.5	70-130			

LCS (2239003-BS2)

Prepared: 09/19/22 Analyzed: 09/19/22

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0		94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.8	70-130			

LCS Dup (2239003-BSD2)

Prepared: 09/19/22 Analyzed: 09/20/22

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.1	70-130	1.76	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.83		8.00		85.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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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 (2239026-BLK1)

Prepared: 09/20/22 Analyzed: 09/20/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	38.8		50.0		77.5	50-200			

LCS (2239026-BS1)

Prepared: 09/20/22 Analyzed: 09/20/22

Diesel Range Organics (C10-C28)	233	25.0	250		93.0	38-132			
Surrogate: n-Nonane	35.0		50.0		70.0	50-200			

Matrix Spike (2239026-MS1)

Source: E209098-26

Prepared: 09/20/22 Analyzed: 09/20/22

Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.2	38-132			
Surrogate: n-Nonane	33.9		50.0		67.7	50-200			

Matrix Spike Dup (2239026-MSD1)

Source: E209098-26

Prepared: 09/20/22 Analyzed: 09/20/22

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.2	38-132	1.05	20	
Surrogate: n-Nonane	35.1		50.0		70.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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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 (2239030-BLK1)

Prepared: 09/20/22 Analyzed: 09/20/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	36.9		50.0		73.7	50-200			

LCS (2239030-BS1)

Prepared: 09/20/22 Analyzed: 09/20/22

Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132			
Surrogate: n-Nonane	40.6		50.0		81.1	50-200			

Matrix Spike (2239030-MS1)

Source: E209092-08

Prepared: 09/20/22 Analyzed: 09/20/22

Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.4	38-132			
Surrogate: n-Nonane	41.2		50.0		82.5	50-200			

Matrix Spike Dup (2239030-MSD1)

Source: E209092-08

Prepared: 09/20/22 Analyzed: 09/20/22

Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.2	38-132	0.121	20	
Surrogate: n-Nonane	40.7		50.0		81.5	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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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 (2239047-BLK1)

Prepared: 09/20/22 Analyzed: 09/21/22

Chloride	ND	20.0							
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LCS (2239047-BS1)

Prepared: 09/20/22 Analyzed: 09/21/22

Chloride	258	20.0	250		103	90-110			
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LCS Dup (2239047-BSD1)

Prepared: 09/20/22 Analyzed: 09/22/22

Chloride	250	20.0	250		99.9	90-110	3.10	20	
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QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H Project Number: 01058-0001 Project Manager: Tom Bynum	Reported: 9/22/2022 2:23:14PM
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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 (2239048-BLK1)

Prepared: 09/20/22 Analyzed: 09/21/22

Chloride ND 20.0

LCS (2239048-BS1)

Prepared: 09/20/22 Analyzed: 09/21/22

Chloride 250 20.0 250 99.8 90-110

Matrix Spike (2239048-MS1)

Source: E209092-21

Prepared: 09/20/22 Analyzed: 09/21/22

Chloride 248 20.0 250 ND 99.4 80-120

Matrix Spike Dup (2239048-MSD1)

Source: E209092-21

Prepared: 09/20/22 Analyzed: 09/21/22

Chloride 252 20.0 250 ND 101 80-120 1.56 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:	Pipeline Spill 200ft W of Ice Dancer 30 Fed Com 2H	
PO Box 247	Project Number:	01058-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/22/22 14:23

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Pipeline Spill 2DDth West of The Dancer 3D Fed Com 2H

Client: Pima Environmental Services		Bill To	Lab Use Only		TAT			EPA Program					
Project: <u>Pipeline Spill 2DDth West of The Dancer 3D Fed Com 2H</u>		Attention: <u>Devon</u>	Lab WO# <u>E209092</u>	Job Number <u>01058-0607</u>	1D	2D	3D	Standard	CWA	SDWA			
Project Manager: <u>Tom Bynum</u>		Address:	Analysis and Method							RCRA			
Address: <u>5614 N. Lovington Hwy.</u>		City, State, Zip	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	State				
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:							NM	CO	UT	AZ	TX
Phone: <u>580-748-1613</u>		Email:							X				
Email: <u>tom@pimaoil.com</u>		Pima Project # <u>111-3</u>							Remarks				
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	BDOC NM	BDOC TX	Remarks
8:00	9/14/22	S	1	S.1 1'	1							X		
8:05				S.1 3'	2									
8:10				S.2 1'	3									
8:15				S.2 3'	4									
8:20				S.3 1'	5									
8:25				S.3 3'	6									
8:30				S.4 1'	7									
8:35				S.4 3'	8									
8:40				S.5 1'	9									
8:45				S.5 3'	10									

Additional Instructions: Billing # 21070537

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. 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>9-15-22</u>	Time <u>2:30</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>9-15-22</u>	Time <u>2:30</u>	Lab Use Only
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>9-15-22</u>	Time <u>2:11</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>9/17/22</u>	Time <u>11:50</u>	Received on ice: <u>Y/N</u>
Relinquished by: (Signature) <u>[Signature]</u>	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.



Project Information

Chain of Custody

Pipeline Spill 200ft west of Ice Dancer 3D Fed Asm 2H

Client: <u>Pima Environmental Services</u>		Bill To		Lab Use Only				TAT			EPA Program		
Project: _____		Attention: <u>DEVON ENERGY</u>		Lab WO# <u>E209092</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>		Address: _____		Analysis and Method						X			
Address: <u>5614 N. Lovington Hwy.</u>		City, State, Zip _____										RCRA	
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone: _____										State	
Phone: <u>580-748-1613</u>		Email: _____										NM CO UT AZ TX	
Email: <u>tom@pimaoil.com</u>		Pima Project # <u>1113</u>										X	
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	BDOC NM	BDOC TX	Remarks
8:50	9/14/22	S	1	S.6 1'	11							X		
8:55			1	S.6 3'	12									
9:00				S.7 1'	13									
9:05				S.7 3'	14									
9:10				SW1	15									
9:15				SW2	16									
9:20				SW3	17									
9:25				SW4	18									
9:30				SW5	19									
9:35				SW6	20									

Additional Instructions: Billing # 21070537

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>9/16/22</u>	Time _____	Received by: (Signature) <u>[Signature]</u>	Date <u>9-15-22</u>	Time <u>8:50</u>	Lab Use Only
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>9-16-22</u>	Time <u>4:15</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>9/17/22</u>	Time <u>11:50</u>	Received on ice: <input checked="" type="checkbox"/> N
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.



Envirotech Analytical Laboratory

Printed: 9/19/2022 9:17:04AM

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: 09/17/22 11:50	Work Order ID: E209092
Phone: (575) 631-6977	Date Logged In: 09/16/22 17:26	Logged In By: Caitlin Christian
Email: tom@pimaoil.com	Due Date: 09/22/22 17:00 (3 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.

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? 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: Ice Dancer 30 Fed Com 2H

Work Order: E211097

Job Number: 01058-0007

Received: 11/17/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/28/22

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: 11/28/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Ice Dancer 30 Fed Com 2H
Workorder: E211097
Date Received: 11/17/2022 10:35:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/17/2022 10:35:00AM, under the Project Name: Ice Dancer 30 Fed Com 2H.

The analytical test results summarized in this report with the Project Name: Ice Dancer 30 Fed Com 2H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Ice Dancer 30 Fed Com 2H	Reported: 11/28/22 17:42
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 7'	E211097-01A	Soil	11/15/22	11/17/22	Glass Jar, 4 oz.
S-1 13'	E211097-02A	Soil	11/15/22	11/17/22	Glass Jar, 4 oz.
S-2 7'	E211097-03A	Soil	11/15/22	11/17/22	Glass Jar, 4 oz.
S-2 13'	E211097-04A	Soil	11/15/22	11/17/22	Glass Jar, 4 oz.
S-3 7'	E211097-05A	Soil	11/15/22	11/17/22	Glass Jar, 4 oz.
S-3 13'	E211097-06A	Soil	11/15/22	11/17/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/28/2022 5:42:52PM
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S-1 7'

E211097-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2247065
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: Bromofluorobenzene</i>	99.5 %	70-130		11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.8 %	70-130		11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>	101 %	70-130		11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2247065
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: Bromofluorobenzene</i>	99.5 %	70-130		11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.8 %	70-130		11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>	101 %	70-130		11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2247060
Diesel Range Organics (C10-C28)	36.4	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>	101 %	50-200		11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	34.9	20.0	1	11/21/22	11/28/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/28/2022 5:42:52PM
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S-1 13'

E211097-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2247065
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.9 %	70-130	11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2247065
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.9 %	70-130	11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2247060
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	ND	20.0	1	11/21/22	11/28/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/28/2022 5:42:52PM
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S-2 7'

E211097-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2247065
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>		99.9 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2247065
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>		99.9 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2247060
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>		97.6 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	6440	200	10	11/21/22	11/28/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/28/2022 5:42:52PM
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S-2 13'

E211097-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2247065
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2247065
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2247060
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	ND	20.0	1	11/21/22	11/28/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/28/2022 5:42:52PM
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S-3 7'

E211097-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: IY		Batch: 2247065
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2247065
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2247060
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: KL		Batch: 2248011
Chloride	3140	100	5	11/21/22	11/24/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/28/2022 5:42:52PM
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S-3 13'

E211097-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247065
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247065
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2247060
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2248011
Chloride	ND	20.0	1	11/21/22	11/24/22	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/28/2022 5:42:52PM
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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 (2247065-BLK1)

Prepared: 11/17/22 Analyzed: 11/18/22

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	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.2	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

LCS (2247065-BS1)

Prepared: 11/17/22 Analyzed: 11/18/22

Benzene	2.51	0.0250	2.50		100	70-130			
Ethylbenzene	2.41	0.0250	2.50		96.5	70-130			
Toluene	2.38	0.0250	2.50		95.0	70-130			
o-Xylene	2.32	0.0250	2.50		92.8	70-130			
p,m-Xylene	4.54	0.0500	5.00		90.8	70-130			
Total Xylenes	6.86	0.0250	7.50		91.5	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS Dup (2247065-BSD1)

Prepared: 11/17/22 Analyzed: 11/18/22

Benzene	2.53	0.0250	2.50		101	70-130	0.655	23	
Ethylbenzene	2.43	0.0250	2.50		97.0	70-130	0.475	27	
Toluene	2.38	0.0250	2.50		95.4	70-130	0.378	24	
o-Xylene	2.31	0.0250	2.50		92.5	70-130	0.237	27	
p,m-Xylene	4.56	0.0500	5.00		91.2	70-130	0.472	27	
Total Xylenes	6.88	0.0250	7.50		91.7	70-130	0.233	27	
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/28/2022 5:42:52PM
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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 (2247065-BLK1)

Prepared: 11/17/22 Analyzed: 11/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.2	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

LCS (2247065-BS2)

Prepared: 11/17/22 Analyzed: 11/18/22

Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.2	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

LCS Dup (2247065-BSD2)

Prepared: 11/17/22 Analyzed: 11/18/22

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.3	70-130	1.16	20	
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.447		0.500		89.4	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/28/2022 5:42:52PM
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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 (2247060-BLK1)

Prepared: 11/17/22 Analyzed: 11/17/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	61.4		50.0		123	50-200			

LCS (2247060-BS1)

Prepared: 11/17/22 Analyzed: 11/17/22

Diesel Range Organics (C10-C28)	227	25.0	250		90.8	38-132			
Surrogate: <i>n</i> -Nonane	54.4		50.0		109	50-200			

Matrix Spike (2247060-MS1)

Source: E211088-02

Prepared: 11/17/22 Analyzed: 11/17/22

Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.7	38-132			
Surrogate: <i>n</i> -Nonane	52.7		50.0		105	50-200			

Matrix Spike Dup (2247060-MSD1)

Source: E211088-02

Prepared: 11/17/22 Analyzed: 11/17/22

Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.9	38-132	4.66	20	
Surrogate: <i>n</i> -Nonane	52.0		50.0		104	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/28/2022 5:42:52PM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2248011-BLK1)

Prepared: 11/21/22 Analyzed: 11/28/22

Chloride ND 20.0

LCS (2248011-BS1)

Prepared: 11/21/22 Analyzed: 11/28/22

Chloride 271 20.0 250 109 90-110

Matrix Spike (2248011-MS1)

Source: E211096-01

Prepared: 11/21/22 Analyzed: 11/28/22

Chloride 290 20.0 250 ND 116 80-120

Matrix Spike Dup (2248011-MSD1)

Source: E211096-01

Prepared: 11/21/22 Analyzed: 11/28/22

Chloride 295 20.0 250 ND 118 80-120 1.49 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:	Ice Dancer 30 Fed Com 2H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/28/22 17:42

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>Ice Dancer 30 fed Com 2H</u>		Attention: <u>Devon Energy</u>		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		<u>E211097</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: tom@pimaoil.com		Pima Project # <u>111-3</u>		<input checked="" type="checkbox"/> NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX							
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	11/15/22	S	1	S-1 7'	1							X		
9:05				S-1 13'	2									
9:10				S-2 7'	3									
9:15				S-2 13'	4									
9:20				S-3 7'	5									
9:25				S-3 13'	6									

Additional Instructions:

Bill To Devon Energy: 210 70537

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: Ned 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>Ned Rogers</u>	Date <u>11-16-22</u>	Time <u>1:00 pm</u>	Received by: (Signature) <u>Michelle R. Cox</u>	Date <u>11-16-22</u>	Time <u>1300</u>
Relinquished by: (Signature) <u>Michelle R. Cox</u>	Date <u>11-16-22</u>	Time <u>1530</u>	Received by: (Signature) <u>Cathy Chitt</u>	Date <u>11/17/22</u>	Time <u>10:35</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: Y / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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



Envirotech Analytical Laboratory

Printed: 11/17/2022 12:01:27PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/17/22 10:35	Work Order ID:	E211097
Phone:	(575) 631-6977	Date Logged In:	11/17/22 09:31	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/23/22 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? 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.

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? 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: Ice Dancer 30 Fed Com 2H

Work Order: E212006

Job Number: 01058-0007

Received: 12/1/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/5/22

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: 12/5/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Ice Dancer 30 Fed Com 2H
Workorder: E212006
Date Received: 12/1/2022 11:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/1/2022 11:30:00AM, under the Project Name: Ice Dancer 30 Fed Com 2H.

The analytical test results summarized in this report with the Project Name: Ice Dancer 30 Fed Com 2H 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: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/05/22 10:51
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-4 7'	E212006-01A	Soil	11/29/22	12/01/22	Glass Jar, 2 oz.
S-4 13'	E212006-02A	Soil	11/29/22	12/01/22	Glass Jar, 2 oz.
S-5 7'	E212006-03A	Soil	11/29/22	12/01/22	Glass Jar, 2 oz.
S-5 13'	E212006-04A	Soil	11/29/22	12/01/22	Glass Jar, 2 oz.
S-6 7'	E212006-05A	Soil	11/29/22	12/01/22	Glass Jar, 2 oz.
S-6 13'	E212006-06A	Soil	11/29/22	12/01/22	Glass Jar, 2 oz.
S-7 7'	E212006-07A	Soil	11/29/22	12/01/22	Glass Jar, 2 oz.
S-7 13'	E212006-08A	Soil	11/29/22	12/01/22	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/5/2022 10:51:59AM
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S-4 7'

E212006-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Benzene	ND	0.0250	1	12/01/22	12/01/22	
Ethylbenzene	ND	0.0250	1	12/01/22	12/01/22	
Toluene	ND	0.0250	1	12/01/22	12/01/22	
o-Xylene	ND	0.0250	1	12/01/22	12/01/22	
p,m-Xylene	ND	0.0500	1	12/01/22	12/01/22	
Total Xylenes	ND	0.0250	1	12/01/22	12/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.2 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/22	12/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2249060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2249059
Chloride	860	20.0	1	12/01/22	12/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/5/2022 10:51:59AM
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S-4 13'

E212006-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Benzene	ND	0.0250	1	12/01/22	12/01/22	
Ethylbenzene	ND	0.0250	1	12/01/22	12/01/22	
Toluene	ND	0.0250	1	12/01/22	12/01/22	
o-Xylene	ND	0.0250	1	12/01/22	12/01/22	
p,m-Xylene	ND	0.0500	1	12/01/22	12/01/22	
Total Xylenes	ND	0.0250	1	12/01/22	12/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.4 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/22	12/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.8 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2249060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2249059
Chloride	ND	20.0	1	12/01/22	12/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/5/2022 10:51:59AM
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S-5 7'

E212006-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Benzene	ND	0.0250	1	12/01/22	12/01/22	
Ethylbenzene	ND	0.0250	1	12/01/22	12/01/22	
Toluene	ND	0.0250	1	12/01/22	12/01/22	
o-Xylene	ND	0.0250	1	12/01/22	12/01/22	
p,m-Xylene	ND	0.0500	1	12/01/22	12/01/22	
Total Xylenes	ND	0.0250	1	12/01/22	12/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.7 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/22	12/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2249060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2249059
Chloride	6170	100	5	12/01/22	12/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/5/2022 10:51:59AM
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S-5 13'

E212006-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Benzene	ND	0.0250	1	12/01/22	12/01/22	
Ethylbenzene	ND	0.0250	1	12/01/22	12/01/22	
Toluene	ND	0.0250	1	12/01/22	12/01/22	
o-Xylene	ND	0.0250	1	12/01/22	12/01/22	
p,m-Xylene	ND	0.0500	1	12/01/22	12/01/22	
Total Xylenes	ND	0.0250	1	12/01/22	12/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.5 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/22	12/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2249060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2249059
Chloride	ND	20.0	1	12/01/22	12/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/5/2022 10:51:59AM
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S-6 7'

E212006-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Benzene	ND	0.0250	1	12/01/22	12/01/22	
Ethylbenzene	ND	0.0250	1	12/01/22	12/01/22	
Toluene	ND	0.0250	1	12/01/22	12/01/22	
o-Xylene	ND	0.0250	1	12/01/22	12/01/22	
p,m-Xylene	ND	0.0500	1	12/01/22	12/01/22	
Total Xylenes	ND	0.0250	1	12/01/22	12/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.7 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/22	12/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2249060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2249059
Chloride	6430	100	5	12/01/22	12/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/5/2022 10:51:59AM
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S-6 13'

E212006-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Benzene	ND	0.0250	1	12/01/22	12/01/22	
Ethylbenzene	ND	0.0250	1	12/01/22	12/01/22	
Toluene	ND	0.0250	1	12/01/22	12/01/22	
o-Xylene	ND	0.0250	1	12/01/22	12/01/22	
p,m-Xylene	ND	0.0500	1	12/01/22	12/01/22	
Total Xylenes	ND	0.0250	1	12/01/22	12/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.7 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/22	12/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.1 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2249060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
<i>Surrogate: n-Nonane</i>		107 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2249059
Chloride	ND	20.0	1	12/01/22	12/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/5/2022 10:51:59AM
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S-7 7'

E212006-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Benzene	ND	0.0250	1	12/01/22	12/01/22	
Ethylbenzene	ND	0.0250	1	12/01/22	12/01/22	
Toluene	ND	0.0250	1	12/01/22	12/01/22	
o-Xylene	ND	0.0250	1	12/01/22	12/01/22	
p,m-Xylene	ND	0.0500	1	12/01/22	12/01/22	
Total Xylenes	ND	0.0250	1	12/01/22	12/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/22	12/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.2 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2249060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2249059
Chloride	6330	200	10	12/01/22	12/01/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/5/2022 10:51:59AM
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S-7 13'

E212006-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Benzene	ND	0.0250	1	12/01/22	12/01/22	
Ethylbenzene	ND	0.0250	1	12/01/22	12/01/22	
Toluene	ND	0.0250	1	12/01/22	12/01/22	
o-Xylene	ND	0.0250	1	12/01/22	12/01/22	
p,m-Xylene	ND	0.0500	1	12/01/22	12/01/22	
Total Xylenes	ND	0.0250	1	12/01/22	12/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2249061
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/01/22	12/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	12/01/22	12/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2249060
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/22	12/02/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/01/22	12/02/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/01/22	12/02/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2249059
Chloride	ND	20.0	1	12/01/22	12/01/22	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/5/2022 10:51:59AM
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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 (2249061-BLK1)

Prepared: 12/01/22 Analyzed: 12/01/22

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	8.14		8.00		102	70-130			

LCS (2249061-BS1)

Prepared: 12/01/22 Analyzed: 12/01/22

Benzene	4.54	0.0250	5.00		90.8	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.8	70-130			
Toluene	4.77	0.0250	5.00		95.5	70-130			
o-Xylene	4.86	0.0250	5.00		97.3	70-130			
p,m-Xylene	9.54	0.0500	10.0		95.4	70-130			
Total Xylenes	14.4	0.0250	15.0		96.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.29		8.00		104	70-130			

Matrix Spike (2249061-MS1)

Source: E212006-03

Prepared: 12/01/22 Analyzed: 12/01/22

Benzene	3.94	0.0250	5.00	ND	78.9	54-133			
Ethylbenzene	4.05	0.0250	5.00	ND	81.1	61-133			
Toluene	4.14	0.0250	5.00	ND	82.7	61-130			
o-Xylene	4.19	0.0250	5.00	ND	83.8	63-131			
p,m-Xylene	8.24	0.0500	10.0	ND	82.4	63-131			
Total Xylenes	12.4	0.0250	15.0	ND	82.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			

Matrix Spike Dup (2249061-MSD1)

Source: E212006-03

Prepared: 12/01/22 Analyzed: 12/01/22

Benzene	4.73	0.0250	5.00	ND	94.5	54-133	18.1	20	
Ethylbenzene	4.87	0.0250	5.00	ND	97.5	61-133	18.4	20	
Toluene	4.96	0.0250	5.00	ND	99.2	61-130	18.1	20	
o-Xylene	5.05	0.0250	5.00	ND	101	63-131	18.5	20	
p,m-Xylene	9.89	0.0500	10.0	ND	98.9	63-131	18.2	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.6	63-131	18.3	20	
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/5/2022 10:51:59AM
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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 (2249061-BLK1)

Prepared: 12/01/22 Analyzed: 12/01/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.7	70-130			

LCS (2249061-BS2)

Prepared: 12/01/22 Analyzed: 12/01/22

Gasoline Range Organics (C6-C10)	46.9	20.0	50.0		93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.2	70-130			

Matrix Spike (2249061-MS2)

Source: E212006-03

Prepared: 12/01/22 Analyzed: 12/01/22

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.6	70-130			

Matrix Spike Dup (2249061-MSD2)

Source: E212006-03

Prepared: 12/01/22 Analyzed: 12/01/22

Gasoline Range Organics (C6-C10)	44.5	20.0	50.0	ND	89.0	70-130	4.56	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/5/2022 10:51:59AM
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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 (2249060-BLK1)

Prepared: 12/01/22 Analyzed: 12/01/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.4		50.0		107	50-200			

LCS (2249060-BS1)

Prepared: 12/01/22 Analyzed: 12/01/22

Diesel Range Organics (C10-C28)	239	25.0	250		95.6	38-132			
Surrogate: n-Nonane	52.0		50.0		104	50-200			

Matrix Spike (2249060-MS1)

Source: E212004-02

Prepared: 12/01/22 Analyzed: 12/01/22

Diesel Range Organics (C10-C28)	233	25.0	250	ND	93.0	38-132			
Surrogate: n-Nonane	51.1		50.0		102	50-200			

Matrix Spike Dup (2249060-MSD1)

Source: E212004-02

Prepared: 12/01/22 Analyzed: 12/01/22

Diesel Range Organics (C10-C28)	225	25.0	250	ND	90.1	38-132	3.19	20	
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/5/2022 10:51:59AM
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Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2249059-BLK1)

Prepared: 12/01/22 Analyzed: 12/01/22

Chloride ND 20.0

LCS (2249059-BS1)

Prepared: 12/01/22 Analyzed: 12/02/22

Chloride 269 20.0 250 108 90-110

Matrix Spike (2249059-MS1)

Source: E212006-01

Prepared: 12/01/22 Analyzed: 12/01/22

Chloride 1190 20.0 250 860 132 80-120 M2

Matrix Spike Dup (2249059-MSD1)

Source: E212006-01

Prepared: 12/01/22 Analyzed: 12/01/22

Chloride 1230 20.0 250 860 146 80-120 2.90 20 M2

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:	Ice Dancer 30 Fed Com 2H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/05/22 10:51

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: Pima Environmental Services Project: <u>ICE DANCE 30 Fed Com 2H</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: 580-748-1613 Email: <u>tom@pimaoil.com</u> Report due by:		Bill To Attention: <u>Devon Energy</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>111-3</u>		Lab Use Only Lab WO# <u>EZ12006</u> Job Number <u>01058-0007</u> Analysis and Method				TAT 1D 2D 3D Standard			EPA Program CWA SDWA RCRA	
				DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX				State NM CO UT AZ TX				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:00	11/29/22	S	1	S-4 7'	1							X		
8:05				S-4 13'	2									
8:10				S-5 7'	3									
8:15				S-5 13'	4									
8:20				S-6 7'	5									
8:25				S-6 13'	6									
8:30				S-7 7'	7									
8:35				S-7 13'	8									

Additional Instructions: Bill To Devon Energy : # 21070537

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: Ned 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>Ned Rogers</u>	Date <u>11/30/22</u>	Time <u>2:00</u>	Received by: (Signature) <u>Michelle Gys</u>	Date <u>11-30-22</u>	Time <u>1400</u>
Relinquished by: (Signature) <u>Michelle Gys</u>	Date <u>11-30-22</u>	Time <u>1615</u>	Received by: (Signature) <u>Arthur Chute</u>	Date <u>12/1/22</u>	Time <u>11:30</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

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

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



Envirotech Analytical Laboratory

Printed: 12/1/2022 12:49:50PM

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: 12/01/22 11:30	Work Order ID: E212006
Phone: (575) 631-6977	Date Logged In: 12/01/22 12:17	Logged In By: Caitlin Christian
Email: tom@pimaoil.com	Due Date: 12/07/22 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? 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.

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? 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: Ice Dancer 30 Fed Com 2H

Work Order: E302035

Job Number: 01058-0007

Received: 2/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/9/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/9/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Ice Dancer 30 Fed Com 2H
Workorder: E302035
Date Received: 2/8/2023 7:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/8/2023 7:00:00AM, under the Project Name: Ice Dancer 30 Fed Com 2H.

The analytical test results summarized in this report with the Project Name: Ice Dancer 30 Fed Com 2H 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: Ice Dancer 30 Fed Com 2H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
02/09/23 14:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E302035-01A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CS2	E302035-02A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CS3	E302035-03A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CS4	E302035-04A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CS5	E302035-05A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CS6	E302035-06A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CS7	E302035-07A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CS8	E302035-08A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CS9	E302035-09A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW1	E302035-10A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW2	E302035-11A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW3	E302035-12A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW4	E302035-13A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW5	E302035-14A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW6	E302035-15A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW7	E302035-16A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW8	E302035-17A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW9	E302035-18A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW10	E302035-19A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW11	E302035-20A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW12	E302035-21A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW13	E302035-22A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW14	E302035-23A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW15	E302035-24A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW16	E302035-25A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW17	E302035-26A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.
CSW18	E302035-27A	Soil	02/05/23	02/08/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CS1
E302035-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>	89.6 %	70-130		02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97.4 %	70-130		02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>	102 %	70-130		02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>	89.6 %	70-130		02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97.4 %	70-130		02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>	102 %	70-130		02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>	107 %	50-200		02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CS2

E302035-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		91.2 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		91.2 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CS3

E302035-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		90.9 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		90.9 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		109 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CS4

E302035-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		92.0 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.2 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		92.0 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.2 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		108 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CS5

E302035-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		91.4 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		91.4 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		111 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CS6

E302035-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		92.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.1 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		92.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.1 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		111 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CS7

E302035-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		90.6 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		90.6 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CS8

E302035-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		90.2 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		90.2 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		105 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CS9

E302035-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		92.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		92.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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**CSW1
E302035-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		92.8 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		92.8 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		108 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CSW2

E302035-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		117 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		90.9 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		117 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		90.9 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CSW3

E302035-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		113 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		90.4 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		113 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		90.4 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CSW4

E302035-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		119 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		89.7 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		119 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		89.7 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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**CSW5
E302035-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		117 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		89.2 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		117 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		89.2 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CSW6

E302035-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		91.4 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		91.4 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		105 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CSW7

E302035-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		92.3 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		92.3 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CSW8

E302035-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		96.5 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		91.3 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		96.5 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		91.3 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CSW9

E302035-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		90.8 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		90.8 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CSW10

E302035-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		91.5 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		91.5 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		114 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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**CSW11
E302035-20**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		91.9 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306036
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		91.9 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306041
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		114 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306046
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CSW12

E302035-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2306040
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		117 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		88.7 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2306040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		117 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		88.7 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2306043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		111 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2306047
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CSW13

E302035-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306040
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		89.1 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		89.1 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		111 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306047
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CSW14

E302035-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306040
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		97.1 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		89.7 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		97.1 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		89.7 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306047
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CSW15

E302035-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306040
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		96.6 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		89.6 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		96.6 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		89.6 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306047
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CSW16

E302035-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306040
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		90.6 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		90.6 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		89.0 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306047
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CSW17

E302035-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306040
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		94.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		94.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		83.7 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306047
Chloride	ND	20.0	1	02/08/23	02/08/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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CSW18

E302035-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2306040
Benzene	ND	0.0250	1	02/08/23	02/08/23	
Ethylbenzene	ND	0.0250	1	02/08/23	02/08/23	
Toluene	ND	0.0250	1	02/08/23	02/08/23	
o-Xylene	ND	0.0250	1	02/08/23	02/08/23	
p,m-Xylene	ND	0.0500	1	02/08/23	02/08/23	
Total Xylenes	ND	0.0250	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		91.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2306040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/08/23	02/08/23	
<i>Surrogate: Bromofluorobenzene</i>		91.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	02/08/23	02/08/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/08/23	02/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2306043
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/23	02/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/08/23	02/08/23	
<i>Surrogate: n-Nonane</i>		84.4 %	50-200	02/08/23	02/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2306047
Chloride	ND	20.0	1	02/08/23	02/08/23	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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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 (2306036-BLK1)

Prepared: 02/08/23 Analyzed: 02/08/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.463		0.500		92.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

LCS (2306036-BS1)

Prepared: 02/08/23 Analyzed: 02/08/23

Benzene	2.48	0.0250	2.50		99.1	70-130			
Ethylbenzene	2.51	0.0250	2.50		100	70-130			
Toluene	2.55	0.0250	2.50		102	70-130			
o-Xylene	2.64	0.0250	2.50		106	70-130			
p,m-Xylene	5.08	0.0500	5.00		102	70-130			
Total Xylenes	7.72	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	0.468		0.500		93.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.5	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

Matrix Spike (2306036-MS1)

Source: E302035-02

Prepared: 02/08/23 Analyzed: 02/09/23

Benzene	2.48	0.0250	2.50	ND	99.1	48-131			
Ethylbenzene	2.53	0.0250	2.50	ND	101	45-135			
Toluene	2.57	0.0250	2.50	ND	103	48-130			
o-Xylene	2.68	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.15	0.0500	5.00	ND	103	43-135			
Total Xylenes	7.82	0.0250	7.50	ND	104	43-135			
Surrogate: Bromofluorobenzene	0.463		0.500		92.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

Matrix Spike Dup (2306036-MSD1)

Source: E302035-02

Prepared: 02/08/23 Analyzed: 02/08/23

Benzene	2.54	0.0250	2.50	ND	102	48-131	2.45	23	
Ethylbenzene	2.56	0.0250	2.50	ND	103	45-135	1.43	27	
Toluene	2.62	0.0250	2.50	ND	105	48-130	1.90	24	
o-Xylene	2.75	0.0250	2.50	ND	110	43-135	2.53	27	
p,m-Xylene	5.22	0.0500	5.00	ND	104	43-135	1.41	27	
Total Xylenes	7.97	0.0250	7.50	ND	106	43-135	1.79	27	
Surrogate: Bromofluorobenzene	0.467		0.500		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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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 (2306040-BLK1)

Prepared: 02/08/23 Analyzed: 02/08/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.515		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.577		0.500		115		70-130		
Surrogate: Toluene-d8	0.456		0.500		91.1		70-130		

LCS (2306040-BS1)

Prepared: 02/08/23 Analyzed: 02/08/23

Benzene	2.53	0.0250	2.50		101		70-130		
Ethylbenzene	2.28	0.0250	2.50		91.3		70-130		
Toluene	2.28	0.0250	2.50		91.3		70-130		
o-Xylene	2.36	0.0250	2.50		94.5		70-130		
p,m-Xylene	4.69	0.0500	5.00		93.8		70-130		
Total Xylenes	7.05	0.0250	7.50		94.1		70-130		
Surrogate: Bromofluorobenzene	0.521		0.500		104		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.560		0.500		112		70-130		
Surrogate: Toluene-d8	0.460		0.500		91.9		70-130		

Matrix Spike (2306040-MS1)

Source: E302034-03

Prepared: 02/08/23 Analyzed: 02/08/23

Benzene	2.65	0.0250	2.50	ND	106		48-131		
Ethylbenzene	2.35	0.0250	2.50	ND	94.0		45-135		
Toluene	2.36	0.0250	2.50	ND	94.4		48-130		
o-Xylene	2.46	0.0250	2.50	ND	98.2		43-135		
p,m-Xylene	4.84	0.0500	5.00	ND	96.8		43-135		
Total Xylenes	7.30	0.0250	7.50	ND	97.3		43-135		
Surrogate: Bromofluorobenzene	0.535		0.500		107		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.576		0.500		115		70-130		
Surrogate: Toluene-d8	0.454		0.500		90.7		70-130		

Matrix Spike Dup (2306040-MSD1)

Source: E302034-03

Prepared: 02/08/23 Analyzed: 02/08/23

Benzene	2.69	0.0250	2.50	ND	108		48-131	1.44	23
Ethylbenzene	2.43	0.0250	2.50	ND	97.0		45-135	3.18	27
Toluene	2.44	0.0250	2.50	ND	97.5		48-130	3.21	24
o-Xylene	2.52	0.0250	2.50	ND	101		43-135	2.65	27
p,m-Xylene	5.00	0.0500	5.00	ND	100		43-135	3.33	27
Total Xylenes	7.53	0.0250	7.50	ND	100		43-135	3.10	27
Surrogate: Bromofluorobenzene	0.526		0.500		105		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.556		0.500		111		70-130		
Surrogate: Toluene-d8	0.452		0.500		90.4		70-130		



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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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 (2306036-BLK1)

Prepared: 02/08/23 Analyzed: 02/08/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.463		0.500		92.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

LCS (2306036-BS2)

Prepared: 02/08/23 Analyzed: 02/09/23

Gasoline Range Organics (C6-C10)	59.2	20.0	50.0		118	70-130			
Surrogate: Bromofluorobenzene	0.468		0.500		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

Matrix Spike (2306036-MS2)

Source: E302035-02

Prepared: 02/08/23 Analyzed: 02/08/23

Gasoline Range Organics (C6-C10)	64.5	20.0	50.0	ND	129	70-130			
Surrogate: Bromofluorobenzene	0.471		0.500		94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.3	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

Matrix Spike Dup (2306036-MSD2)

Source: E302035-02

Prepared: 02/08/23 Analyzed: 02/08/23

Gasoline Range Organics (C6-C10)	60.7	20.0	50.0	ND	121	70-130	6.08	20	
Surrogate: Bromofluorobenzene	0.460		0.500		92.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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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 (2306040-BLK1)

Prepared: 02/08/23 Analyzed: 02/08/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.577		0.500		115	70-130			
Surrogate: Toluene-d8	0.456		0.500		91.1	70-130			

LCS (2306040-BS2)

Prepared: 02/08/23 Analyzed: 02/08/23

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.3	70-130			
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.566		0.500		113	70-130			
Surrogate: Toluene-d8	0.460		0.500		92.0	70-130			

Matrix Spike (2306040-MS2)

Source: E302034-03

Prepared: 02/08/23 Analyzed: 02/08/23

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.7	70-130			
Surrogate: Bromofluorobenzene	0.522		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.568		0.500		114	70-130			
Surrogate: Toluene-d8	0.456		0.500		91.2	70-130			

Matrix Spike Dup (2306040-MSD2)

Source: E302034-03

Prepared: 02/08/23 Analyzed: 02/08/23

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.3	70-130	2.41	20	
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.568		0.500		114	70-130			
Surrogate: Toluene-d8	0.453		0.500		90.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2306041-BLK1)

Prepared: 02/08/23 Analyzed: 02/09/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.1		50.0		118	50-200			

LCS (2306041-BS1)

Prepared: 02/08/23 Analyzed: 02/09/23

Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	58.8		50.0		118	50-200			

Matrix Spike (2306041-MS1)

Source: E302035-20

Prepared: 02/08/23 Analyzed: 02/09/23

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	57.5		50.0		115	50-200			

Matrix Spike Dup (2306041-MSD1)

Source: E302035-20

Prepared: 02/08/23 Analyzed: 02/09/23

Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132	0.780	20	
Surrogate: n-Nonane	57.8		50.0		116	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2306043-BLK1)

Prepared: 02/08/23 Analyzed: 02/08/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.5		50.0		107	50-200			

LCS (2306043-BS1)

Prepared: 02/08/23 Analyzed: 02/08/23

Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	52.7		50.0		105	50-200			

Matrix Spike (2306043-MS1)

Source: E302034-01

Prepared: 02/08/23 Analyzed: 02/08/23

Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	50.8		50.0		102	50-200			

Matrix Spike Dup (2306043-MSD1)

Source: E302034-01

Prepared: 02/08/23 Analyzed: 02/08/23

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	3.74	20	
Surrogate: n-Nonane	46.4		50.0		92.8	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2306046-BLK1)

Prepared: 02/08/23 Analyzed: 02/08/23

Chloride ND 20.0

LCS (2306046-BS1)

Prepared: 02/08/23 Analyzed: 02/08/23

Chloride 243 20.0 250 97.3 90-110

Matrix Spike (2306046-MS1)

Source: E302035-01

Prepared: 02/08/23 Analyzed: 02/08/23

Chloride 257 20.0 250 ND 103 80-120

Matrix Spike Dup (2306046-MSD1)

Source: E302035-01

Prepared: 02/08/23 Analyzed: 02/08/23

Chloride 260 20.0 250 ND 104 80-120 1.04 20



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Ice Dancer 30 Fed Com 2H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 2/9/2023 2:27:03PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2306047-BLK1)

Prepared: 02/08/23 Analyzed: 02/08/23

Chloride ND 20.0

LCS (2306047-BS1)

Prepared: 02/08/23 Analyzed: 02/08/23

Chloride 244 20.0 250 97.5 90-110

Matrix Spike (2306047-MS1)

Source: E302035-21

Prepared: 02/08/23 Analyzed: 02/08/23

Chloride 264 20.0 250 ND 106 80-120

Matrix Spike Dup (2306047-MSD1)

Source: E302035-21

Prepared: 02/08/23 Analyzed: 02/08/23

Chloride 276 20.0 250 ND 110 80-120 4.17 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:	Ice Dancer 30 Fed Com 2H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/09/23 14:27

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: Pima Environmental Services		Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Ice Dancer 30 Fed.com 2H</u>		Attention: <u>Devon</u>		Lab WO# <u>E 302035</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		E 302035		01058-0007		X					
Address: 5614 N. Lovington Hwy.		City, State, Zip		Analysis and Method								RCRA	
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State	
Phone: 580-748-1613		Email:										NM	CO
Email: <u>tom@pimaoil.com</u>		Pima Project # <u>111-3</u>										UT	AZ
Report due by:												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
8:00	<u>Am 8/15/23</u>	<u>S</u>	<u>1</u>	<u>CS1</u>	<u>1</u>							<u>X</u>		
8:05				<u>CS2</u>	<u>2</u>									
8:10				<u>CS3</u>	<u>3</u>									
8:15				<u>CS4</u>	<u>4</u>									
8:20				<u>CS5</u>	<u>5</u>									
8:25				<u>CS6</u>	<u>6</u>									
8:30				<u>CS7</u>	<u>7</u>									
8:35				<u>CS8</u>	<u>8</u>									
8:40				<u>CS9</u>	<u>9</u>									
8:45	↓	↓	↓	<u>CSW1</u>	<u>10</u>									

Additional Instructions: Billing #: 2100537

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: Audriam Benavidez

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

Relinquished by: (Signature) <u>AB</u>	Date <u>2-7-23</u>	Time <u>2:00</u>	Received by: (Signature) <u>Michelle Sanchez</u>	Date <u>2-7-23</u>	Time <u>1500</u>	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4.0</u>
Relinquished by: (Signature) <u>Michelle Sanchez</u>	Date <u>2-7-23</u>	Time <u>1750</u>	Received by: (Signature) <u>Lorena Lein</u>	Date <u>2-7-23</u>	Time <u>1750</u>	
Relinquished by: (Signature) <u>Lorena Lein</u>	Date <u>2-7-23</u>	Time <u>2345</u>	Received by: (Signature) <u>Drew Bazz</u>	Date <u>2-8-23</u>	Time <u>7:00</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		Bill To		Lab Use Only		TAT		EPA Program							
Project: Ice Dancer 30 Fed CDM 24		Attention: Devon		Lab WO# E302035		Job Number 01058-007		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Tom Bynum		Address:		Analysis and Method								RCRA			
Address: 56 14 N. Lovington Hwy.		City, State, Zip		DRO/DRO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0	
City, State, Zip Hobbs, NM, 88240		Phone:													
Phone: 580-748-1613		Email:													
Email: tom@pimaoil.com		Pima Project # 111-3													
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
8:50	7/5/23	S	1	CSW 2	11							X		
8:55				CSW 3	12									
9:00				CSW 4	13									
9:05				CSW 5	14									
9:10				CSW 6	15									
9:15				CSW 7	16									
9:20				CSW 8	17									
9:25				CSW 9	18									
9:30				CSW 10	19									
9:35				CSW 11	20									

Additional Instructions: Billing # 2100537

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) <i>AB</i>	Date 2-7-23	Time 2:00	Received by: (Signature) <i>Middle Cuyk</i>	Date 2-7-23	Time 1:50	Lab Use Only
Relinquished by: (Signature) <i>Middle Cuyk</i>	Date 2-7-23	Time 1:50	Received by: (Signature) <i>Lorenzo Lei</i>	Date 2-7-23	Time 1:50	Received on ice: (Y) / N
Relinquished by: (Signature) <i>Lorenzo Lei</i>	Date 2-7-23	Time 2:34:5	Received by: (Signature) <i>Diane Zagn</i>	Date 2/8/23	Time 7:00	T1 T2 T3
Sample Matrix: (S - Soil) (sd - Solid, Sg - Sludge, A - Aqueous, O - Other)						AVG Temp °C 4.0
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: Ice Dancer 30 Fed COM 2H		Attention: Devon		Lab WO# E 302035		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		City, State, Zip		Phone:		Analysis and Method		RCRA			
Address: 5614 N. Lovington Hwy.		City, State, Zip Hobbs, NM, 88240		Phone: 580-748-1613		Email: tom@pimaoil.com		DRO/DRO by 8015		GRO/DRO by 8015		BTEX by 8021	
Report due by:		Pima Project # 111-3		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC NM		BGDOC 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
9:40	2/5/23	S	1	CSW12	21							X		
9:45				CSW13	22									
9:50				CSW14	23									
9:55				CSW15	24									
10:00				CSW 16	25									
10:05				CSW 17	26									
10:10				CSW 18	27									

Additional Instructions: Billing #: 2100537

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

Relinquished by: (Signature) <i>AB</i>	Date 2-7-23	Time 2:00	Received by: (Signature) <i>Michelle Guevel</i>	Date 2-7-23	Time 1500	Lab Use Only
Relinquished by: (Signature) <i>Michelle Guevel</i>	Date 2-7-23	Time 1750	Received by: (Signature) <i>Lorenzo Lee</i>	Date 2-7-23	Time 1750	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
Relinquished by: (Signature) <i>Lorenzo Lee</i>	Date 2-7-23	Time 2345	Received by: (Signature) <i>June 2187</i>	Date 2/8/23	Time 7:00	T1 _____ T2 _____ T3 _____

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

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



Envirotech Analytical Laboratory

Printed: 2/8/2023 11:11:21AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	02/08/23 07:00	Work Order ID:	E302035
Phone:	(575) 631-6977	Date Logged In:	02/07/23 18:27	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	02/08/23 17:00 (0 day TAT)		

Chain of Custody (COC)

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

Carrier: Courier

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

White out present on COC when received by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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 198830

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 198830
	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 #NAPP2225024897 PIPELINE SPILL 200 FT WEST OF ICE DANCER 20 FED 2, thank you. This closure is approved.	8/1/2023