

Incident ID	nAPP2315843731
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

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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: 7/27/2023

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

OCD Only

Received by: Shelly Wells Date: 7/27/2023

Incident ID	nAPP2315843731
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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: 7/27/2023

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

OCD Only

Received by: Shelly Wells Date: 7/27/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



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

July 25, 2023

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

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

Re: Site Assessment, Remediation, and Closure Report
Beetle Juice 19 3 Battery
API No. N/A
GPS: Latitude 32.652601 Longitude -103.912046
UL C, Section. 19, T19S, R31E
Eddy County, NM
NMOCD Ref. No. NAPP2315843731

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production, LLC. (Devon) to perform a spill assessment, remediation, and submit this closure report for a produced water & crude oil release that occurred at the Beetle Juice 19 3 Battery (Beetle Juice). The initial C-141 was submitted on June 15, 2023 (Appendix C). This incident was assigned Incident ID NAPP2315843731 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Beetle Juice is located approximately twenty-five (25) miles northeast of Carlsbad, NM. This spill site is in Unit C, Section 19, Township 19S, Range 31E, Latitude 32.652601 Longitude -103.912046, 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 courses in this area are excessively drained. There is a high potential for karst geology to be present around the Beetle Juice (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 65 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 112 feet BGS. The closest waterway is a Salt Playa located approximately 2.46 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

NAPP2315843731: On June 6, 2023, a flow line developed a leak. The released fluids were calculated to be approximately 4 barrels (bbls) of Crude Oil and 2 bbls of Produced Water. A vacuum truck was dispatched and was able to recover 5 bbls of standing fluid.

Site Assessment and Soil Sampling Results

On June 12, 2023, Pima mobilized personnel to the site to assess the area. Pima sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

6-12-2023 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - BEETLE JUICE 19 FEDERAL #003H								
Sample Date: 6/12/23		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
S-1	1'	ND	ND	ND	50.8	ND	50.8	9060
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	70.8
S-2	1'	14.2	ND	183	4890	1240	6327.2	154
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	25.5	ND	25.5	82
S-3	1'	3.45	0.0655	80	1690	479	2252.5155	6710
	2'	0.033	ND	ND	ND	ND	0.033	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	36.2	ND	36.2	72.3
S-4	1'	ND	ND	ND	25.8	ND	25.8	628
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	94.7
S-5	1'	0.386	ND	ND	2470	860	3330.386	3540
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	30.5	ND	30.5	129
SW 1	6"	0.0407	ND	ND	ND	ND	0.0407	ND
SW 2	6"	ND	ND	ND	ND	ND	0	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	ND
SW 5	6"	ND	ND	ND	ND	ND	0	ND
SW 6	6"	ND	ND	ND	ND	ND	0	ND
BG 1	6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Remediation Activities

On July 13, 2023, Devon Construction Department mobilized personnel and equipment to conduct remedial activities. They excavated the area to 1.5 ft. Pima personnel collected samples to verify all contaminated soil had been removed. The contaminated soil 22 cubic yards were hauled to an approved, lined disposal facility and clean backfill material was brought in.

On July 20, 2023, after sending a 48-hour notification (Appendix C), Pima collected confirmation samples of the excavated areas. Laboratory results of this sampling event can be found in the following data table. A Confirmation Sample Map can be found in Figure 5.

7-20-23 Confirmation Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - BEETLE JUICE 19 FEDERAL #003H								
Sample Date: 7/20/23		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	1.5 ft	ND	ND	ND	ND	ND	0	ND
CS 2	1.5 ft	ND	ND	ND	ND	ND	0	ND
CS 3	1.5 ft	ND	ND	ND	ND	ND	0	ND
CS 4	1.5 ft	ND	ND	ND	ND	ND	0	ND
CSW 1	1.5 ft	ND	ND	ND	ND	ND	0	ND
CSW 2	1.5 ft	ND	ND	ND	ND	ND	0	ND
CSW 3	1.5 ft	ND	ND	ND	ND	ND	0	ND
CSW 4	1.5 ft	ND	ND	ND	ND	ND	0	ND
CSW 5	1.5 ft	ND	ND	ND	ND	ND	0	ND
CSW 6	1.5 ft	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 bottom and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was transported to an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and contoured to match the surrounding terrain. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NAPP2315843731, 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

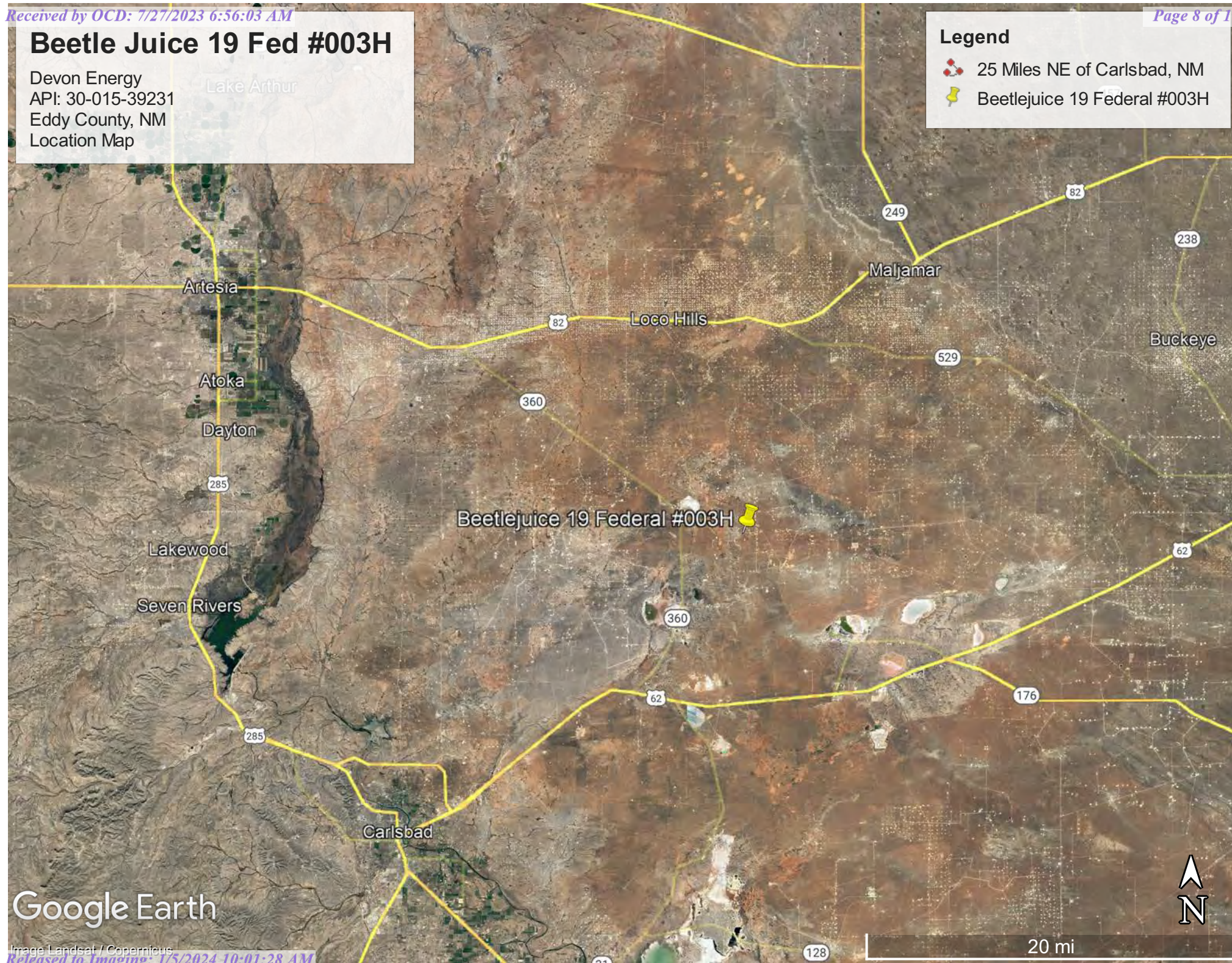
5-Confirmation Sample Map

Beetle Juice 19 Fed #003H

Devon Energy
API: 30-015-39231
Eddy County, NM
Location Map

Legend

-  25 Miles NE of Carlsbad, NM
-  Beetlejuice 19 Federal #003H




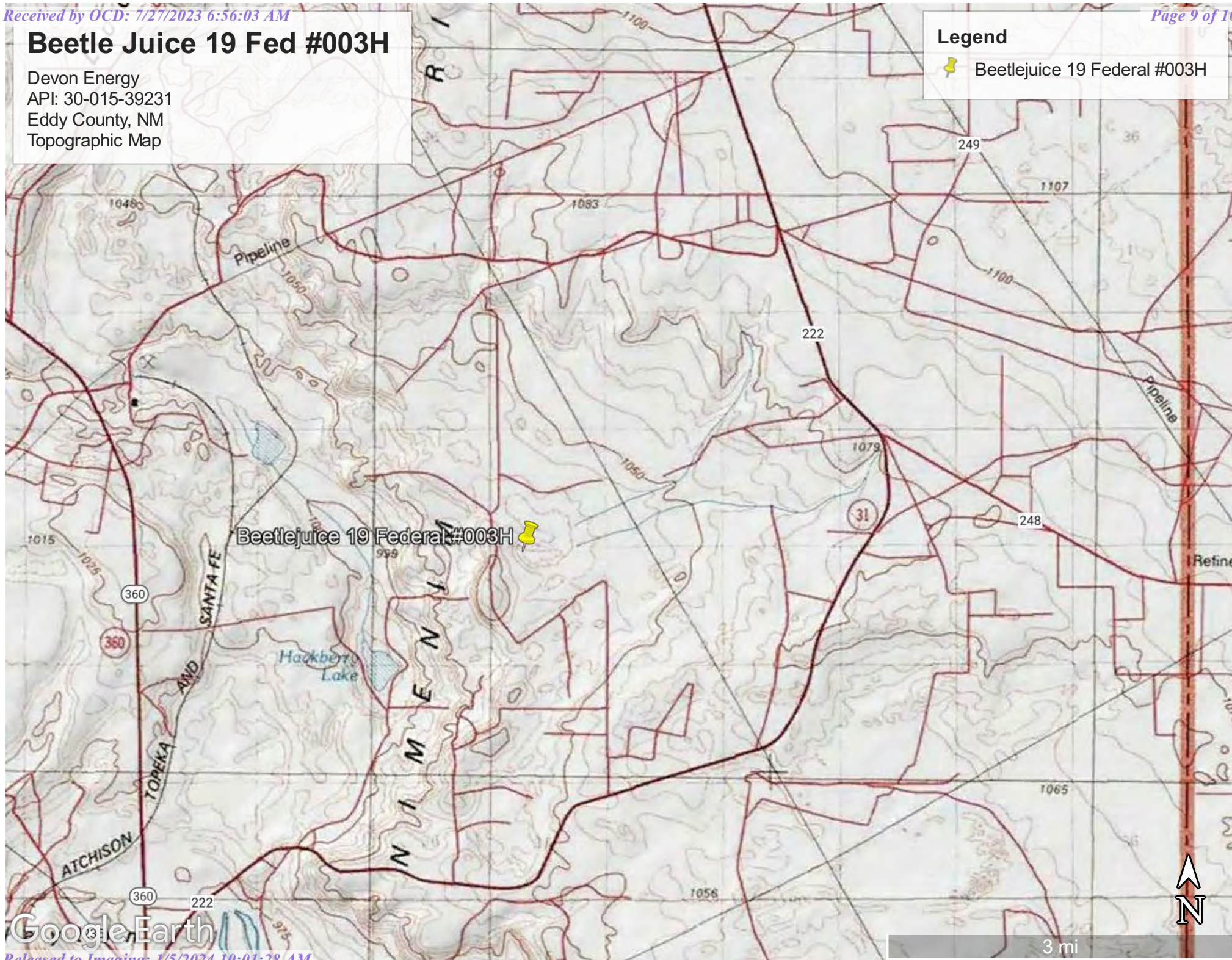
Google Earth

Beetle Juice 19 Fed #003H

Devon Energy
API: 30-015-39231
Eddy County, NM
Topographic Map

Legend

 Beetlejuice 19 Federal #003H







Google Earth

Beetle Juice 19 Fed #003H

Devon Energy
API: 30-015-39231
Eddy County, NM
Karst Map

Legend

-  Beetlejuice 19 Federal #003H
-  High Karst
-  Low Karst
-  Medium Karst

Beetlejuice 19 Federal #003H 

Google Earth








1 mi

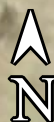
Beetle Juice 19 3 Battery

Devon Energy
API:30-015-39231
Eddy County, NM
Site Map

Legend

-  Beetle Juice 19 3 Battery
-  Background/Sidewalls
-  Samples
-  Spill area 580 sqft

Beetle Juice 19 3 Battery 







80 ft

Beetle Juice 19 3 Battery

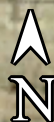
Devon Energy
API:30-015-39231
Eddy County, NM
Confirmation Sample Map

Legend

-  Beetle Juice 19 3 Battery
-  Confirmation Sidewalls
-  Confirmation Samples

 Beetle Juice 19 3 Battery

CSW1
CS1
CSW2
CS2
CSW3
CSW6
CS3
CSW4
CS4
CSW5



100 ft

Google Earth



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00722 POD2		CP	ED	2	1	1	25	19S	30E	600276	3611620*	2241	350	65	285
CP 00357 POD1		CP	ED	4	4	1	24	19S	30E	600667	3612631*	2745	630		
CP 01941 POD1		CP	ED	3	2	2	29	19S	31E	604524	3611512	2758	55	54	1
CP 00725 POD1		CP	ED	1	3	3	28	19S	31E	604906	3610473*	2850	231		
CP 01943 POD1		CP	ED	1	3	1	20	19S	31E	603217	3612883	2860	55		
CP 00873 POD1		CP	LE		1	1	19	19S	31E	601772	3613147*	2895	340	180	160
CP 00357 POD2		CP	ED	4	3	1	24	19S	30E	600265	3612627*	2967	630		
CP 00722 POD4		CP	LE	4	3	3	28	19S	31E	605059	3610260	2995	220	100	120
CP 00722 POD1		CP	LE	4	3	3	28	19S	31E	605106	3610273*	3042	200		
CP 00722 POD1	R	CP	LE	4	3	3	28	19S	31E	605106	3610273*	3042	200		
CP 00723 POD1		CP	ED	2	1	1	33	19S	31E	605111	3610071*	3054	139		
CP 00828 POD1		CP	LE		1	1	35	19S	30E	598585	3609900*	3497	90		
CP 00722 POD3		CP	LE	2	4	1	33	19S	31E	605519	3609673*	3506	220	140	80
CP 00827 POD1		CP	LE		3	3	35	19S	30E	598596	3608694*	3806	100		
CP 01907 POD1		CP	ED	4	2	2	18	19S	31E	603017	3614737	4571			
CP 00775		CP	ED	2	1	4	11	20S	30E	599515	3605981*	4985	350	40	310

Average Depth to Water: **96 feet**
 Minimum Depth: **40 feet**
 Maximum Depth: **180 feet**

Record Count: 16

UTM NAD83 Radius Search (in meters):

Easting (X): 602063

Northing (Y): 3610266.36

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.

7/21/23 10:36 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 323725103523701

Minimum number of levels = 1

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

USGS 323725103523701 19S.31E.28.334332

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°37'25", Longitude 103°52'37" NAD27

Land-surface elevation 3,450 feet above NAVD88

The depth of the well is 160 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.

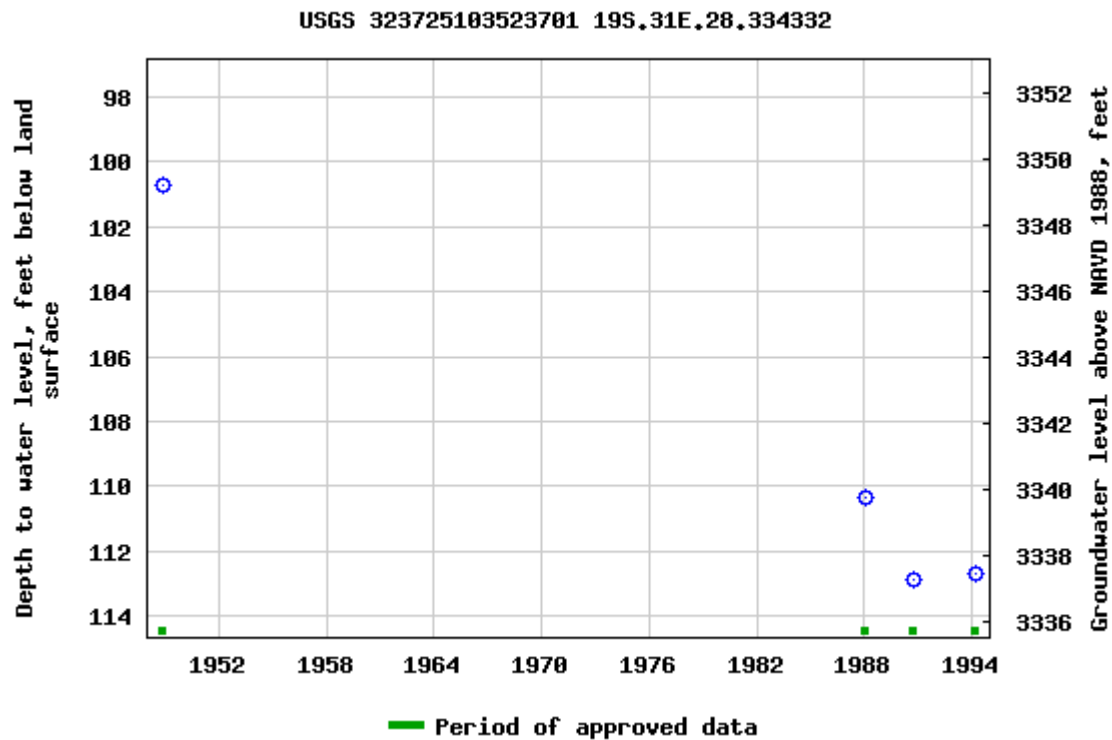
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

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

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Title: Groundwater for USA: Water Levels

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



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



Page Last Modified: 2023-07-21 12:33:10 EDT

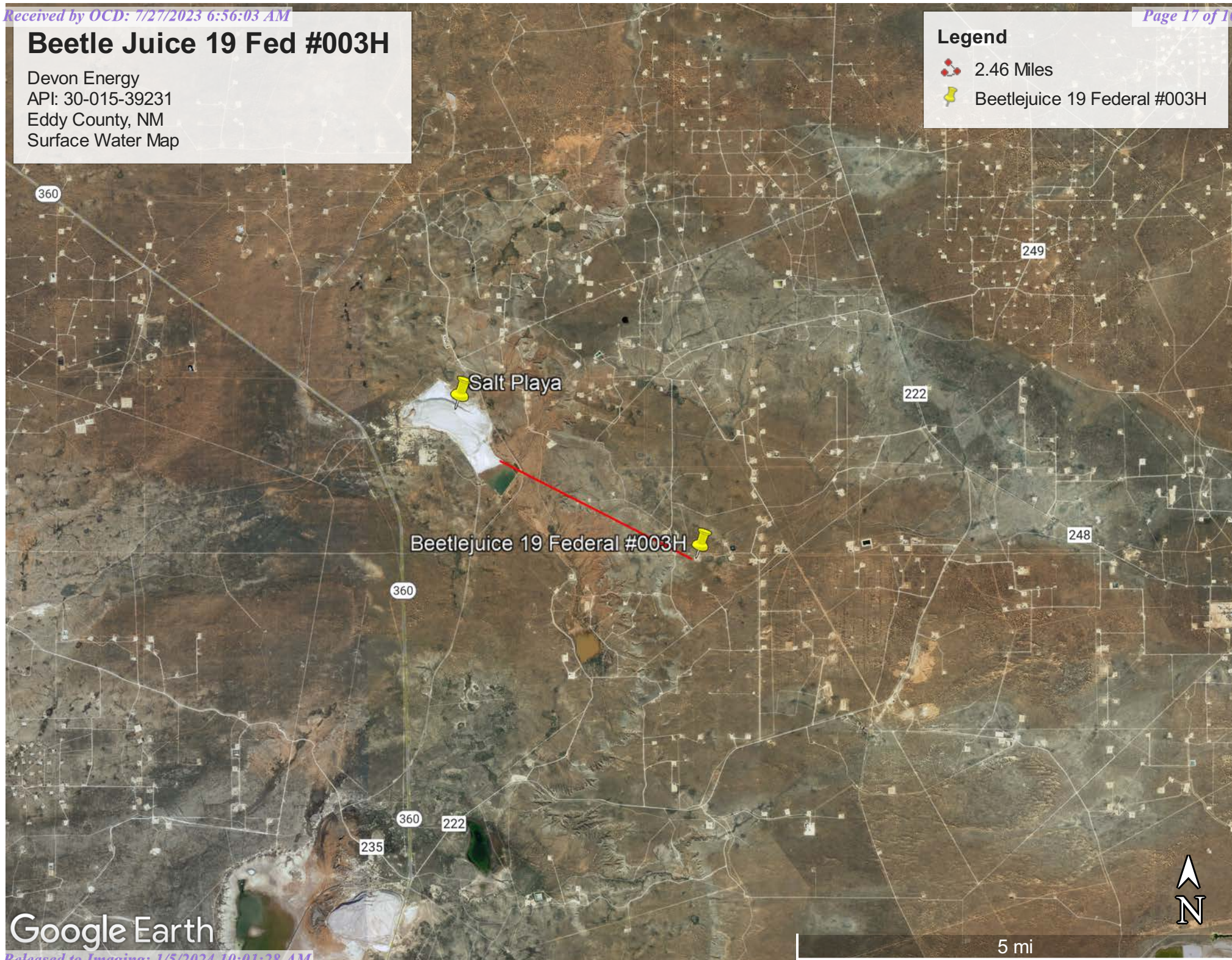
0.59 0.52 nadww01

Beetle Juice 19 Fed #003H

Devon Energy
API: 30-015-39231
Eddy County, NM
Surface Water Map

Legend

-  2.46 Miles
-  Beetlejuice 19 Federal #003H



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: Plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear

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 supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: R070BD005NM - 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: Plains, fan piedmonts
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 supply, 0 to 60 inches: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - 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 18, Sep 8, 2022

National Flood Hazard Layer FIRMette



103°55'2"W 32°37'46"N



Legend

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

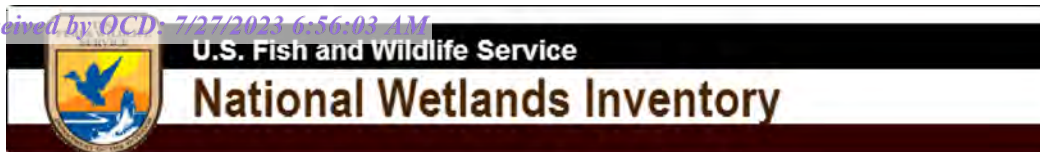
SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
MAP PANELS		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/21/2023 at 12:37 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Wetlands Map



July 21, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2315843731
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.652601 Longitude -103.912046
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Beetle Juice 19 3 Battery	Site Type Oil
Date Release Discovered 6/6/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
C	19	19S	31E	Eddy

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 4 BBLS	Volume Recovered (bbls) 4 BBLS
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 2 BBLS	Volume Recovered (bbls) 1 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	Flow line leak.
------------------	-----------------

Incident ID	nAPP2315843731
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input 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> Signature: <u><i>Kendra Ruiz</i></u> email: <u>Kendra.Ruiz@dvn.com</u>	Title: <u>EHS Associate</u> Date: <u>6/15/2023</u> Telephone: <u>575-748-0167</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>06/15/2023</u>

Spill Volume(Bbls) Calculator	
Inputs in <i>blue</i> , Outputs in <i>red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>1261.015</u>	<u>0.500</u>
Cubic Feet of Soil Impacted	<u>52.542</u>
Barrels of Soil Impacted	<u>9.37</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>1.40</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	<u>1.40</u>
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>1261.015</u>	<u>0.250</u>
Standing fluid	<u>4.683</u>
Total fluids spilled	<u>6.088</u>

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

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

CONDITIONS

Action 228723

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 228723
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	6/15/2023

Incident ID	nAPP2315843731
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2315843731
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: 7/27/2023

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

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2315843731
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: 7/27/2023

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Gio PimaOil <gio@pimaoil.com>

Beetle Sampling Confirmation Samples

2 messages

Gio PimaOil <gio@pimaoil.com>

Tue, Jul 18, 2023 at 3:53 PM

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

Good Afternoon,

Pima Environmental would like to notify you that we will begin collecting confirmation samples at the Beetle juice 19 3 Battery for incident NAPP2315843731. Pima personnel are scheduled to be on site for this sampling event at approximately 4:00 pm. on Thursday, July 27, 2023. If you have any questions or concerns, please let me know. Thank you

--

Gio Gomez

Project Manager

cell-806-782-1151

Office- 575-964-7740

Pima Environmental Services, LLC.

Gio PimaOil <gio@pimaoil.com>

Tue, Jul 18, 2023 at 3:56 PM

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

Correction on the date, the confirmation samples will be collected on July 20, 2023.

I apologize for any inconvenience this may have caused.

[Quoted text hidden]



Pima Environmental Services

Appendix D

Photographic Documentation



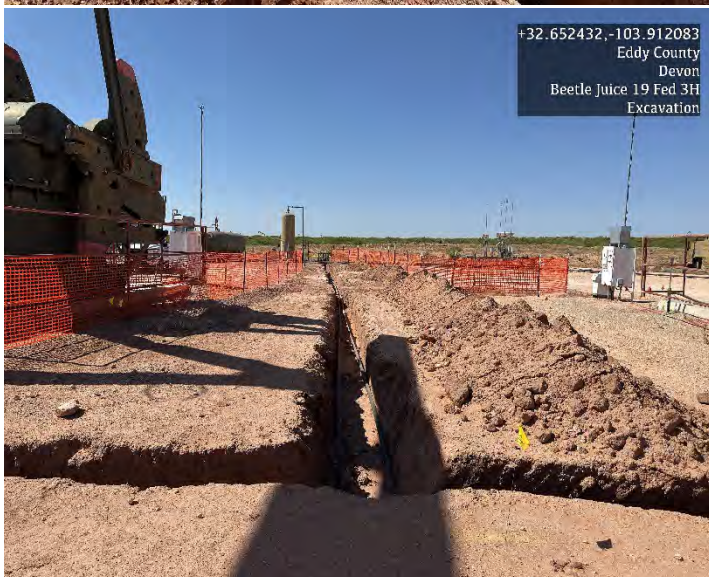
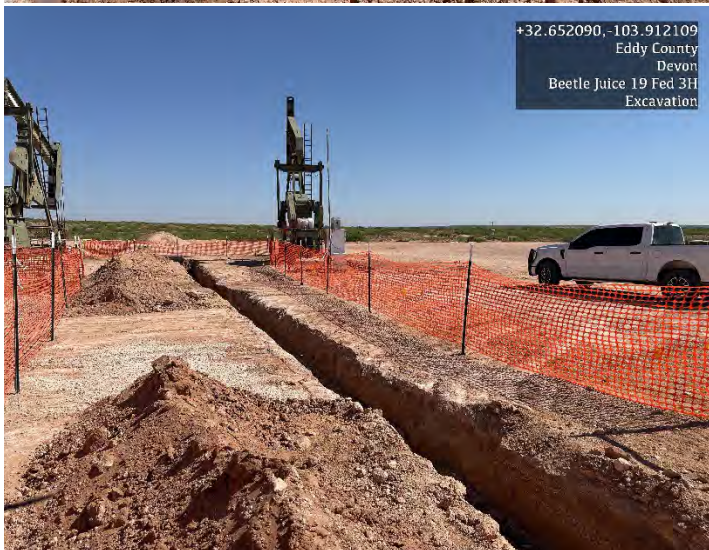
**SITE PHOTOGRAPHS
DEVON ENERGY
BEETLEJUICE 19 FEDERAL #003H**

Site Assessment



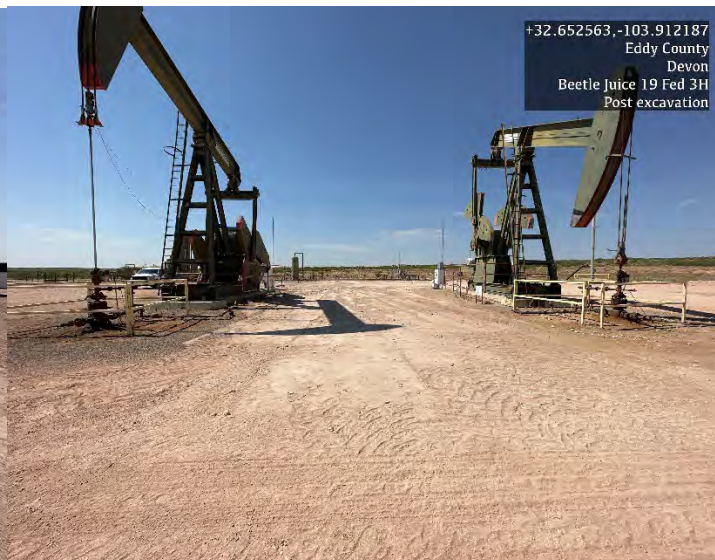


Excavation





Post Excavation





Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Beetle Juice 19 Fed 3H

Work Order: E306116

Job Number: 01058-0007

Received: 6/15/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/21/23

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: 6/21/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Beetle Juice 19 Fed 3H
Workorder: E306116
Date Received: 6/15/2023 7:45:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/15/2023 7:45:00AM, under the Project Name: Beetle Juice 19 Fed 3H.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3H 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:	Beetle Juice 19 Fed 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/21/23 10:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E306116-01A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S1 - 2'	E306116-02A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S1 - 3'	E306116-03A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S1 - 4'	E306116-04A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S2 - 1'	E306116-05A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S2 - 2'	E306116-06A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S2 - 3'	E306116-07A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S2 - 4'	E306116-08A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S3 - 1'	E306116-09A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S3 - 2'	E306116-10A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S3 - 3'	E306116-11A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S3 - 4'	E306116-12A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S4 - 1'	E306116-13A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S4 - 2'	E306116-14A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S4 - 3'	E306116-15A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S4 - 4'	E306116-16A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S5 - 1'	E306116-17A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S5 - 2'	E306116-18A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S5 - 3'	E306116-19A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
S5 - 4'	E306116-20A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
SW1	E306116-21A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
SW2	E306116-22A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
SW3	E306116-23A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
SW4	E306116-24A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
SW5	E306116-25A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
SW6	E306116-26A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.
BG1	E306116-27A	Soil	06/12/23	06/15/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S1 - 1'

E306116-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2324044	
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
Surrogate: 4-Bromochlorobenzene-PID	99.7 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2324044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.7 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2324050	
Diesel Range Organics (C10-C28)	50.8	25.0	1	06/15/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/15/23	
Surrogate: n-Nonane	85.6 %	50-200		06/15/23	06/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2325007	
Chloride	9060	400	20	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S1 - 2'

E306116-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
	90.8 %	50-200		06/15/23	06/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S1 - 3'

E306116-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.3 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
	88.7 %	50-200		06/15/23	06/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S1 - 4'

E306116-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
	81.3 %	50-200		06/15/23	06/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	70.8	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S2 - 1'

E306116-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	5.14	0.0250	1	06/15/23	06/15/23	
Toluene	2.76	0.0250	1	06/15/23	06/15/23	
o-Xylene	4.33	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	9.83	0.0500	1	06/15/23	06/15/23	
Total Xylenes	14.2	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		118 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	183	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		108 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	4890	250	10	06/15/23	06/16/23	
Oil Range Organics (C28-C36)	1240	500	10	06/15/23	06/16/23	
<i>Surrogate: n-Nonane</i>						
		148 %	50-200	06/15/23	06/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	154	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S2 - 2'

E306116-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.0 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
		95.1 %	50-200	06/15/23	06/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Beetle Juice 19 Fed 3H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/21/2023 10:58:30AM
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S2 - 3'

E306116-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
	90.9 %	50-200		06/15/23	06/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S2 - 4'

E306116-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.0 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	25.5	25.0	1	06/15/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
		84.5 %	50-200	06/15/23	06/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	82.0	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S3 - 1'

E306116-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	0.0655	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	1.21	0.0250	1	06/15/23	06/15/23	
Toluene	0.597	0.0250	1	06/15/23	06/15/23	
o-Xylene	0.980	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	2.47	0.0500	1	06/15/23	06/15/23	
Total Xylenes	3.45	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		111 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	80.0	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.4 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	1690	50.0	2	06/15/23	06/16/23	
Oil Range Organics (C28-C36)	479	100	2	06/15/23	06/16/23	
<i>Surrogate: n-Nonane</i>						
		87.1 %	50-200	06/15/23	06/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	6710	100	5	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S3 - 2'

E306116-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	0.0330	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	0.0330	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.7 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
		91.1 %	50-200	06/15/23	06/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S3 - 3'

E306116-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/15/23	
<i>Surrogate: n-Nonane</i>						
	87.7 %	50-200		06/15/23	06/15/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S3 - 4'

E306116-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.0 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	36.2	25.0	1	06/15/23	06/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/16/23	
<i>Surrogate: n-Nonane</i>						
		84.7 %	50-200	06/15/23	06/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	72.3	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S4 - 1'

E306116-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.9 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	25.8	25.0	1	06/15/23	06/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/16/23	
<i>Surrogate: n-Nonane</i>						
		90.7 %	50-200	06/15/23	06/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	628	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S4 - 2'

E306116-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.7 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/23	06/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/16/23	
<i>Surrogate: n-Nonane</i>						
	91.6 %	50-200		06/15/23	06/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S4 - 3'

E306116-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/23	06/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/16/23	
<i>Surrogate: n-Nonane</i>						
	89.8 %	50-200		06/15/23	06/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S4 - 4'

E306116-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/23	06/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/16/23	
<i>Surrogate: n-Nonane</i>						
	89.6 %	50-200		06/15/23	06/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	94.7	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S5 - 1'

E306116-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	0.150	0.0250	1	06/15/23	06/15/23	
Toluene	0.0966	0.0250	1	06/15/23	06/15/23	
o-Xylene	0.116	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	0.270	0.0500	1	06/15/23	06/15/23	
Total Xylenes	0.386	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.3 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	2470	250	10	06/15/23	06/16/23	
Oil Range Organics (C28-C36)	860	500	10	06/15/23	06/16/23	
<i>Surrogate: n-Nonane</i>						
		98.3 %	50-200	06/15/23	06/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	3540	40.0	2	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S5 - 2'

E306116-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.4 %	70-130	06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/23	06/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/16/23	
<i>Surrogate: n-Nonane</i>						
		91.0 %	50-200	06/15/23	06/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S5 - 3'

E306116-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.7 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/23	06/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/16/23	
<i>Surrogate: n-Nonane</i>						
	78.2 %	50-200		06/15/23	06/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

S5 - 4'

E306116-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324044
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2324050
Diesel Range Organics (C10-C28)	30.5	25.0	1	06/15/23	06/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/23	06/16/23	
<i>Surrogate: n-Nonane</i>						
	84.8 %	50-200		06/15/23	06/16/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325007
Chloride	129	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

SW1

E306116-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324042
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	0.0407	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	0.0407	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.8 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324042
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325008
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/19/23	
<i>Surrogate: n-Nonane</i>						
	87.5 %	50-200		06/19/23	06/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325006
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

SW2

E306116-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324042
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324042
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325008
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/19/23	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		06/19/23	06/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325006
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

SW3

E306116-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324042
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324042
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325008
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/19/23	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		06/19/23	06/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325006
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

SW4

E306116-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324042
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.1 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324042
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325008
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/19/23	
<i>Surrogate: n-Nonane</i>						
	96.2 %	50-200		06/19/23	06/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325006
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

SW5

E306116-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324042
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324042
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.3 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325008
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/19/23	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		06/19/23	06/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325006
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

SW6

E306116-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324042
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324042
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.5 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325008
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/19/23	
<i>Surrogate: n-Nonane</i>						
	97.3 %	50-200		06/19/23	06/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325006
Chloride	ND	20.0	1	06/19/23	06/19/23	



Sample Data

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

Project Name: Beetle Juice 19 Fed 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/21/2023 10:58:30AM

BG1

E306116-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324042
Benzene	ND	0.0250	1	06/15/23	06/15/23	
Ethylbenzene	ND	0.0250	1	06/15/23	06/15/23	
Toluene	ND	0.0250	1	06/15/23	06/15/23	
o-Xylene	ND	0.0250	1	06/15/23	06/15/23	
p,m-Xylene	ND	0.0500	1	06/15/23	06/15/23	
Total Xylenes	ND	0.0250	1	06/15/23	06/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2324042
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/23	06/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		06/15/23	06/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2325008
Diesel Range Organics (C10-C28)	ND	25.0	1	06/19/23	06/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/19/23	06/19/23	
<i>Surrogate: n-Nonane</i>						
	99.8 %	50-200		06/19/23	06/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2325006
Chloride	ND	20.0	1	06/19/23	06/19/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/21/2023 10:58:30AM

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 (2324042-BLK1) Prepared: 06/15/23 Analyzed: 06/15/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.31		8.00		91.4	70-130			

LCS (2324042-BS1) Prepared: 06/15/23 Analyzed: 06/15/23

Benzene	4.84	0.0250	5.00		96.9	70-130			
Ethylbenzene	4.82	0.0250	5.00		96.4	70-130			
Toluene	4.96	0.0250	5.00		99.2	70-130			
o-Xylene	4.92	0.0250	5.00		98.4	70-130			
p,m-Xylene	9.80	0.0500	10.0		98.0	70-130			
Total Xylenes	14.7	0.0250	15.0		98.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.7	70-130			

Matrix Spike (2324042-MS1) Source: E306115-02 Prepared: 06/15/23 Analyzed: 06/15/23

Benzene	5.26	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.22	0.0250	5.00	ND	104	61-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
o-Xylene	5.35	0.0250	5.00	ND	107	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.1	70-130			

Matrix Spike Dup (2324042-MSD1) Source: E306115-02 Prepared: 06/15/23 Analyzed: 06/15/23

Benzene	4.75	0.0250	5.00	ND	95.1	54-133	10.2	20	
Ethylbenzene	4.73	0.0250	5.00	ND	94.5	61-133	9.99	20	
Toluene	4.86	0.0250	5.00	ND	97.2	61-130	10.3	20	
o-Xylene	4.82	0.0250	5.00	ND	96.3	63-131	10.5	20	
p,m-Xylene	9.60	0.0500	10.0	ND	96.0	63-131	9.68	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.1	63-131	9.96	20	
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/21/2023 10:58:30AM

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 (2324044-BLK1) Prepared: 06/15/23 Analyzed: 06/15/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			

LCS (2324044-BS1) Prepared: 06/15/23 Analyzed: 06/15/23

Benzene	4.79	0.0250	5.00		95.8	70-130			
Ethylbenzene	4.68	0.0250	5.00		93.7	70-130			
Toluene	4.93	0.0250	5.00		98.7	70-130			
o-Xylene	4.91	0.0250	5.00		98.1	70-130			
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130			
Total Xylenes	14.6	0.0250	15.0		97.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.8	70-130			

Matrix Spike (2324044-MS1) Source: E306116-20 Prepared: 06/15/23 Analyzed: 06/15/23

Benzene	5.17	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133			
Toluene	5.33	0.0250	5.00	ND	107	61-130			
o-Xylene	5.32	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.88		8.00		98.6	70-130			

Matrix Spike Dup (2324044-MSD1) Source: E306116-20 Prepared: 06/15/23 Analyzed: 06/15/23

Benzene	4.75	0.0250	5.00	ND	95.1	54-133	8.37	20	
Ethylbenzene	4.65	0.0250	5.00	ND	93.0	61-133	8.57	20	
Toluene	4.89	0.0250	5.00	ND	97.8	61-130	8.51	20	
o-Xylene	4.89	0.0250	5.00	ND	97.7	63-131	8.56	20	
p,m-Xylene	9.62	0.0500	10.0	ND	96.2	63-131	8.47	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.7	63-131	8.50	20	
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/21/2023 10:58:30AM

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 (2324042-BLK1) Prepared: 06/15/23 Analyzed: 06/15/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.8	70-130			

LCS (2324042-BS2) Prepared: 06/15/23 Analyzed: 06/15/23

Gasoline Range Organics (C6-C10)	48.6	20.0	50.0		97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			

Matrix Spike (2324042-MS2) Source: E306115-02 Prepared: 06/15/23 Analyzed: 06/15/23

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			

Matrix Spike Dup (2324042-MSD2) Source: E306115-02 Prepared: 06/15/23 Analyzed: 06/15/23

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130	0.534	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/21/2023 10:58:30AM

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 (2324044-BLK1) Prepared: 06/15/23 Analyzed: 06/15/23

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

LCS (2324044-BS2) Prepared: 06/15/23 Analyzed: 06/15/23

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			

Matrix Spike (2324044-MS2) Source: E306116-20 Prepared: 06/15/23 Analyzed: 06/15/23

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			

Matrix Spike Dup (2324044-MSD2) Source: E306116-20 Prepared: 06/15/23 Analyzed: 06/15/23

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.7	70-130	5.44	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/21/2023 10:58:30AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2324050-BLK1)					Prepared: 06/15/23 Analyzed: 06/15/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.9		50.0		85.9	50-200			

LCS (2324050-BS1)					Prepared: 06/15/23 Analyzed: 06/15/23				
Diesel Range Organics (C10-C28)	226	25.0	250		90.5	38-132			
Surrogate: n-Nonane	42.3		50.0		84.7	50-200			

Matrix Spike (2324050-MS1)					Source: E306116-05		Prepared: 06/15/23 Analyzed: 06/16/23		
Diesel Range Organics (C10-C28)	5730	250	250	4890	335	38-132			M4
Surrogate: n-Nonane	76.5		50.0		153	50-200			

Matrix Spike Dup (2324050-MSD1)					Source: E306116-05		Prepared: 06/15/23 Analyzed: 06/16/23		
Diesel Range Organics (C10-C28)	5680	250	250	4890	315	38-132	0.850	20	M4
Surrogate: n-Nonane	73.4		50.0		147	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/21/2023 10:58:30AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2325008-BLK1)					Prepared: 06/19/23 Analyzed: 06/19/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.1		50.0		96.3	50-200			

LCS (2325008-BS1)					Prepared: 06/19/23 Analyzed: 06/19/23				
Diesel Range Organics (C10-C28)	243	25.0	250		97.1	38-132			
Surrogate: n-Nonane	47.1		50.0		94.2	50-200			

Matrix Spike (2325008-MS1)					Source: E306138-04		Prepared: 06/19/23 Analyzed: 06/19/23		
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	45.9		50.0		91.9	50-200			

Matrix Spike Dup (2325008-MSD1)					Source: E306138-04		Prepared: 06/19/23 Analyzed: 06/19/23		
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	0.876	20	
Surrogate: n-Nonane	41.5		50.0		83.0	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/21/2023 10:58:30AM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2325006-BLK1)					Prepared: 06/19/23 Analyzed: 06/19/23				
Chloride	ND	20.0							
LCS (2325006-BS1)					Prepared: 06/19/23 Analyzed: 06/19/23				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2325006-MS1)					Source: E306116-21		Prepared: 06/19/23 Analyzed: 06/19/23		
Chloride	249	20.0	250	ND	99.4	80-120			
Matrix Spike Dup (2325006-MSD1)					Source: E306116-21		Prepared: 06/19/23 Analyzed: 06/19/23		
Chloride	251	20.0	250	ND	100	80-120	0.816	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/21/2023 10:58:30AM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2325007-BLK1)					Prepared: 06/19/23 Analyzed: 06/19/23				
Chloride	ND	20.0							
LCS (2325007-BS1)					Prepared: 06/19/23 Analyzed: 06/19/23				
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2325007-MS1)					Source: E306116-01		Prepared: 06/19/23 Analyzed: 06/19/23		
Chloride	9090	400	250	9060	12.0	80-120			M5
Matrix Spike Dup (2325007-MSD1)					Source: E306116-01		Prepared: 06/19/23 Analyzed: 06/19/23		
Chloride	9010	400	250	9060	NR	80-120	0.852	20	M5

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:	Beetle Juice 19 Fed 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/21/23 10:58

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 3

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program					
Project: Beetle Juice 19 Feb 3H					Attention: Devon					Lab WO# E3061140					Job Number 21058-0007				1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:					Analysis and Method														
Address: 5614 N. Lovington Hwy.					City, State, Zip																			
City, State, Zip Hobbs, NM, 88240					Phone:																			
Phone: 580-748-1613					Email:																			
Email: tom@pimaoil.com					Pima Project # 1-47-2																			
Report due by:																								

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRQ by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:00	6/12/23	Soil	1	S1-1'	1							X		
8:05			1	S1-2'	2									
8:10				S1-3'	3									
8:15				S1-4'	4									
8:20				S2-1'	5									
8:25				S2-2'	6									
8:30				S2-3'	7									
8:35				S2-4'	8									
8:40				S3-1'	9									
8:45			1	S3-2'	10									

Additional Instructions:

B# 21179441

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

Sampled by:

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

Relinquished by: (Signature) Kerime Adame	Date 6/14/23	Time 2000	Received by: (Signature) Michelle Camp	Date 6/14/23	Time 1400	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Relinquished by: (Signature) Michelle Camp	Date 6-14-23	Time 1700	Received by: (Signature) Andrew Mingo	Date 6-14-23	Time 1730	
Relinquished by: (Signature) Andrew Mingo	Date 6-15-23	Time 2400	Received by: (Signature) Caitlin Mann	Date 6/15/23	Time 7:45	

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

Page 2 of 3

Client: Pima Environmental Services Project: Beetle Juice 19 Feb 3H Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-47-2					Lab Use Only Lab WO# E306110 Job Number 01058-0007					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
					Analysis and Method DRO/DRO 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 X				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
8:50	6/12/23	Soil	1	S3-3'	11									X						
8:55				S3-4'	12															
9:00				S4-1'	13															
9:05				S4-2'	14															
9:10				S4-3'	15															
9:15				S4-4'	16															
9:20				S5-1'	17															
9:25				S5-2'	18															
9:30				S5-3'	19															
9:35	↓	↓		S5-4'	20									↓						
Additional Instructions: BH 21179441																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Relinquished by: (Signature) <u>Verime Adame</u> Date <u>6/14/23</u> Time <u>200</u> Received by: (Signature) <u>Michelle Cuy</u> Date <u>6-14-23</u> Time <u>1400</u>																				
Relinquished by: (Signature) <u>Michelle Cuy</u> Date <u>6-14-23</u> Time <u>1700</u> Received by: (Signature) <u>Andrew mess</u> Date <u>6-14-23</u> Time <u>1730</u>																				
Relinquished by: (Signature) <u>Andrew mess</u> Date <u>6-15-23</u> Time <u>2400</u> Received by: (Signature) <u>Carla Man</u> Date <u>6/15/23</u> Time <u>7:45</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

Page 3 of 3

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: Beetle Juice 19 Feb 3H					Attention: Devon		Lab WO# E3060116		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:									X		
Address: 5614 N. Lovington Hwy.					City, State, Zip										RCRA	
City, State, Zip Hobbs, NM, 88240					Phone:											
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # 1-47-2											
Report due by:																

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
9:40	6/12/23	Soil	1	SW1	21							X		
9:45				SW2	22									
9:50				SW3	23									
9:55				SW4	24									
10:00				SW5	25									
10:05				SW6	26									
10:10				BG1	27									

Additional Instructions: B# 21179441

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

Relinquished by: (Signature) Verime Adume Date 6/14/23 Time 200 Received by: (Signature) Micelle Camp Date 6-14-23 Time 1400

Relinquished by: (Signature) Micelle Camp Date 6-14-23 Time 1700 Received by: (Signature) Adrian Muzzo Date 6-14-23 Time 1730

Relinquished by: (Signature) Adrian Muzzo Date 6-15-23 Time 2400 Received by: (Signature) Carth Man Date 6/15/23 Time 7:45

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: 6/15/2023 11:43:23AM

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:	06/15/23 07:45	Work Order ID:	E306116
Phone:	(575) 631-6977	Date Logged In:	06/15/23 08:31	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/21/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample 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: Beetle Juice 19 Federal 3 Battery

Work Order: E307116

Job Number: 01058-0007

Received: 7/24/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/25/23

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: 7/25/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Beetle Juice 19 Federal 3 Battery
Workorder: E307116
Date Received: 7/24/2023 5:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/24/2023 5:30:00AM, under the Project Name: Beetle Juice 19 Federal 3 Battery.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Federal 3 Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

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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:	Beetle Juice 19 Federal 3 Battery	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/25/23 15:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E307116-01A	Soil	07/20/23	07/24/23	Glass Jar, 2 oz.
CS2	E307116-02A	Soil	07/20/23	07/24/23	Glass Jar, 2 oz.
CS3	E307116-03A	Soil	07/20/23	07/24/23	Glass Jar, 2 oz.
CS4	E307116-04A	Soil	07/20/23	07/24/23	Glass Jar, 2 oz.
CSW1	E307116-05A	Soil	07/20/23	07/24/23	Glass Jar, 2 oz.
CSW2	E307116-06A	Soil	07/20/23	07/24/23	Glass Jar, 2 oz.
CSW3	E307116-07A	Soil	07/20/23	07/24/23	Glass Jar, 2 oz.
CSW4	E307116-08A	Soil	07/20/23	07/24/23	Glass Jar, 2 oz.
CSW5	E307116-09A	Soil	07/20/23	07/24/23	Glass Jar, 2 oz.
CSW6	E307116-10A	Soil	07/20/23	07/24/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Beetle Juice 19 Federal 3 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/25/2023 3:49:02PM

CS1

E307116-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330001	
Benzene	ND	0.0250	1	07/24/23	07/24/23	
Ethylbenzene	ND	0.0250	1	07/24/23	07/24/23	
Toluene	ND	0.0250	1	07/24/23	07/24/23	
o-Xylene	ND	0.0250	1	07/24/23	07/24/23	
p,m-Xylene	ND	0.0500	1	07/24/23	07/24/23	
Total Xylenes	ND	0.0250	1	07/24/23	07/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	101 %	70-130		07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/23	07/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.6 %	70-130		07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2330012	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		07/24/23	07/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330008	
Chloride	ND	20.0	1	07/24/23	07/24/23	



Sample Data

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

Project Name: Beetle Juice 19 Federal 3 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/25/2023 3:49:02PM

CS2

E307116-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330001
Benzene	ND	0.0250	1	07/24/23	07/24/23	
Ethylbenzene	ND	0.0250	1	07/24/23	07/24/23	
Toluene	ND	0.0250	1	07/24/23	07/24/23	
o-Xylene	ND	0.0250	1	07/24/23	07/24/23	
p,m-Xylene	ND	0.0500	1	07/24/23	07/24/23	
Total Xylenes	ND	0.0250	1	07/24/23	07/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330001
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/23	07/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.6 %	70-130	07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2330012
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>						
		95.3 %	50-200	07/24/23	07/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330008
Chloride	ND	20.0	1	07/24/23	07/24/23	



Sample Data

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

Project Name: Beetle Juice 19 Federal 3 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/25/2023 3:49:02PM

CS3

E307116-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330001
Benzene	ND	0.0250	1	07/24/23	07/24/23	
Ethylbenzene	ND	0.0250	1	07/24/23	07/24/23	
Toluene	ND	0.0250	1	07/24/23	07/24/23	
o-Xylene	ND	0.0250	1	07/24/23	07/24/23	
p,m-Xylene	ND	0.0500	1	07/24/23	07/24/23	
Total Xylenes	ND	0.0250	1	07/24/23	07/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330001
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/23	07/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.8 %	70-130	07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2330012
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>						
		98.4 %	50-200	07/24/23	07/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330008
Chloride	ND	20.0	1	07/24/23	07/24/23	



Sample Data

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

Project Name: Beetle Juice 19 Federal 3 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/25/2023 3:49:02PM

CS4

E307116-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330001	
Benzene	ND	0.0250	1	07/24/23	07/24/23	
Ethylbenzene	ND	0.0250	1	07/24/23	07/24/23	
Toluene	ND	0.0250	1	07/24/23	07/24/23	
o-Xylene	ND	0.0250	1	07/24/23	07/24/23	
p,m-Xylene	ND	0.0500	1	07/24/23	07/24/23	
Total Xylenes	ND	0.0250	1	07/24/23	07/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/23	07/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.2 %	70-130		07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2330012	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		07/24/23	07/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330008	
Chloride	ND	20.0	1	07/24/23	07/24/23	



Sample Data

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

Project Name: Beetle Juice 19 Federal 3 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/25/2023 3:49:02PM

CSW1

E307116-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2330001	
Benzene	ND	0.0250	1	07/24/23	07/24/23	
Ethylbenzene	ND	0.0250	1	07/24/23	07/24/23	
Toluene	ND	0.0250	1	07/24/23	07/24/23	
o-Xylene	ND	0.0250	1	07/24/23	07/24/23	
p,m-Xylene	ND	0.0500	1	07/24/23	07/24/23	
Total Xylenes	ND	0.0250	1	07/24/23	07/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.9 %	70-130		07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2330001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/23	07/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	83.6 %	70-130		07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2330012	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>	86.0 %	50-200		07/24/23	07/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2330008	
Chloride	ND	20.0	1	07/24/23	07/24/23	



Sample Data

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

Project Name: Beetle Juice 19 Federal 3 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/25/2023 3:49:02PM

CSW2

E307116-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330001
Benzene	ND	0.0250	1	07/24/23	07/24/23	
Ethylbenzene	ND	0.0250	1	07/24/23	07/24/23	
Toluene	ND	0.0250	1	07/24/23	07/24/23	
o-Xylene	ND	0.0250	1	07/24/23	07/24/23	
p,m-Xylene	ND	0.0500	1	07/24/23	07/24/23	
Total Xylenes	ND	0.0250	1	07/24/23	07/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330001
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/23	07/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.8 %	70-130		07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2330012
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>						
	90.4 %	50-200		07/24/23	07/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330008
Chloride	ND	20.0	1	07/24/23	07/24/23	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Federal 3 Battery	Reported: 7/25/2023 3:49:02PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CSW3

E307116-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2330001	
Benzene	ND	0.0250	1	07/24/23	07/24/23	
Ethylbenzene	ND	0.0250	1	07/24/23	07/24/23	
Toluene	ND	0.0250	1	07/24/23	07/24/23	
o-Xylene	ND	0.0250	1	07/24/23	07/24/23	
p,m-Xylene	ND	0.0500	1	07/24/23	07/24/23	
Total Xylenes	ND	0.0250	1	07/24/23	07/24/23	
Surrogate: 4-Bromochlorobenzene-PID	98.4 %	70-130		07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2330001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/23	07/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	83.2 %	70-130		07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2330012	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
Surrogate: n-Nonane	91.6 %	50-200		07/24/23	07/24/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2330008	
Chloride	ND	20.0	1	07/24/23	07/24/23	



Sample Data

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

Project Name: Beetle Juice 19 Federal 3 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/25/2023 3:49:02PM

CSW4

E307116-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330001
Benzene	ND	0.0250	1	07/24/23	07/24/23	
Ethylbenzene	ND	0.0250	1	07/24/23	07/24/23	
Toluene	ND	0.0250	1	07/24/23	07/24/23	
o-Xylene	ND	0.0250	1	07/24/23	07/24/23	
p,m-Xylene	ND	0.0500	1	07/24/23	07/24/23	
Total Xylenes	ND	0.0250	1	07/24/23	07/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330001
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/23	07/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.2 %	70-130		07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2330012
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>						
	94.0 %	50-200		07/24/23	07/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330008
Chloride	ND	20.0	1	07/24/23	07/24/23	



Sample Data

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

Project Name: Beetle Juice 19 Federal 3 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/25/2023 3:49:02PM

CSW5

E307116-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330001
Benzene	ND	0.0250	1	07/24/23	07/24/23	
Ethylbenzene	ND	0.0250	1	07/24/23	07/24/23	
Toluene	ND	0.0250	1	07/24/23	07/24/23	
o-Xylene	ND	0.0250	1	07/24/23	07/24/23	
p,m-Xylene	ND	0.0500	1	07/24/23	07/24/23	
Total Xylenes	ND	0.0250	1	07/24/23	07/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330001
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/23	07/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.9 %	70-130		07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2330012
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>						
	83.0 %	50-200		07/24/23	07/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330008
Chloride	ND	20.0	1	07/24/23	07/24/23	



Sample Data

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

Project Name: Beetle Juice 19 Federal 3 Battery
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
7/25/2023 3:49:02PM

CSW6

E307116-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330001
Benzene	ND	0.0250	1	07/24/23	07/24/23	
Ethylbenzene	ND	0.0250	1	07/24/23	07/24/23	
Toluene	ND	0.0250	1	07/24/23	07/24/23	
o-Xylene	ND	0.0250	1	07/24/23	07/24/23	
p,m-Xylene	ND	0.0500	1	07/24/23	07/24/23	
Total Xylenes	ND	0.0250	1	07/24/23	07/24/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330001
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/23	07/24/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.9 %	70-130	07/24/23	07/24/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2330012
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>						
		86.7 %	50-200	07/24/23	07/24/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330008
Chloride	ND	20.0	1	07/24/23	07/24/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Federal 3 Battery	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/25/2023 3:49:02PM

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 (2330001-BLK1)

Prepared: 07/24/23 Analyzed: 07/24/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			

LCS (2330001-BS1)

Prepared: 07/24/23 Analyzed: 07/24/23

Benzene	4.35	0.0250	5.00		87.0	70-130			
Ethylbenzene	4.54	0.0250	5.00		90.8	70-130			
Toluene	4.58	0.0250	5.00		91.7	70-130			
o-Xylene	4.72	0.0250	5.00		94.4	70-130			
p,m-Xylene	9.42	0.0500	10.0		94.2	70-130			
Total Xylenes	14.1	0.0250	15.0		94.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

Matrix Spike (2330001-MS1)

Source: E307117-01

Prepared: 07/24/23 Analyzed: 07/24/23

Benzene	4.42	0.0250	5.00	ND	88.5	54-133			
Ethylbenzene	4.67	0.0250	5.00	ND	93.3	61-133			
Toluene	4.70	0.0250	5.00	ND	93.9	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.1	63-131			
p,m-Xylene	9.66	0.0500	10.0	ND	96.6	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			

Matrix Spike Dup (2330001-MSD1)

Source: E307117-01

Prepared: 07/24/23 Analyzed: 07/24/23

Benzene	4.42	0.0250	5.00	ND	88.3	54-133	0.180	20	
Ethylbenzene	4.68	0.0250	5.00	ND	93.7	61-133	0.337	20	
Toluene	4.70	0.0250	5.00	ND	94.0	61-130	0.107	20	
o-Xylene	4.86	0.0250	5.00	ND	97.3	63-131	0.152	20	
p,m-Xylene	9.71	0.0500	10.0	ND	97.1	63-131	0.491	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.1	63-131	0.378	20	
Surrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Beetle Juice 19 Federal 3 Battery Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 7/25/2023 3:49:02PM
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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 (2330001-BLK1)

Prepared: 07/24/23 Analyzed: 07/24/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.66		8.00		83.2	70-130			

LCS (2330001-BS2)

Prepared: 07/24/23 Analyzed: 07/24/23

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.74		8.00		84.3	70-130			

Matrix Spike (2330001-MS2)

Source: E307117-01

Prepared: 07/24/23 Analyzed: 07/24/23

Gasoline Range Organics (C6-C10)	39.2	20.0	50.0	ND	78.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.71		8.00		83.8	70-130			

Matrix Spike Dup (2330001-MSD2)

Source: E307117-01

Prepared: 07/24/23 Analyzed: 07/24/23

Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.0	70-130	6.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.69		8.00		83.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Federal 3 Battery	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/25/2023 3:49:02PM

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 (2330012-BLK1)					Prepared: 07/24/23 Analyzed: 07/24/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.1		50.0		102	50-200			

LCS (2330012-BS1)					Prepared: 07/24/23 Analyzed: 07/24/23				
Diesel Range Organics (C10-C28)	237	25.0	250		94.9	38-132			
Surrogate: n-Nonane	44.2		50.0		88.3	50-200			

Matrix Spike (2330012-MS1)					Source: E307116-08		Prepared: 07/24/23 Analyzed: 07/24/23		
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.7	38-132			
Surrogate: n-Nonane	45.4		50.0		90.8	50-200			

Matrix Spike Dup (2330012-MSD1)					Source: E307116-08		Prepared: 07/24/23 Analyzed: 07/24/23		
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.2	38-132	2.61	20	
Surrogate: n-Nonane	45.2		50.0		90.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Federal 3 Battery	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/25/2023 3:49:02PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2330008-BLK1)					Prepared: 07/24/23 Analyzed: 07/24/23				
Chloride	ND	20.0							
LCS (2330008-BS1)					Prepared: 07/24/23 Analyzed: 07/24/23				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2330008-MS1)					Source: E307116-01		Prepared: 07/24/23 Analyzed: 07/24/23		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2330008-MSD1)					Source: E307116-01		Prepared: 07/24/23 Analyzed: 07/24/23		
Chloride	252	20.0	250	ND	101	80-120	0.114	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:	Beetle Juice 19 Federal 3 Battery	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/25/23 15:49

- 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

Client: Pima Environmental Services
 Project: Battle Juice 19 Federal 3 Battery
 Project Manager: Tom Bynum
 Address: 5614 N. Lovington Hwy.
 City, State, Zip: Hobbs, NM, 88240
 Phone: 580-748-1613
 Email: tom@pimaoil.com
 Report due by:

Bill To

Attention: Devon

Address:

City, State, Zip

Phone:

Email:

Pima Project # 1-147-1

Lab Use Only

Lab WO#

E3071160

Job Number

00580057X

TAT

1D

2D

3D

Standard

EPA Program

CWA

SDWA

RCRA

State

NM

CO

UT

AZ

TX

Remarks

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX						
8:00	7/20	S	1	CS1	1							X							
8:00				CS2	2														
8:05				CS3	3														
8:10				CS4	4														
8:15				CSW1	5														
8:20				CSW2	6														
8:25				CSW3	7														
8:30				CSW4	8														
8:35				CSW5	9														
8:40				CSW6	10														

Additional Instructions:

Billing # 20948131

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

Sampled by:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>Kevin Adams</u>	<u>7/21/23</u>	<u>1200</u>	<u>Michelle Coughlin</u>	<u>7-21-23</u>	<u>1200</u>	Received on ice: <u>(X)</u> / N
<u>Michelle Coughlin</u>	<u>7-21-23</u>	<u>1400</u>	<u>Michelle Coughlin</u>	<u>7-21-23</u>	<u>1700</u>	T1 _____ T2 _____ T3 _____
<u>Michelle Coughlin</u>	<u>7-21-23</u>	<u>2300</u>	<u>Michelle Coughlin</u>	<u>7-21-23</u>	<u>530</u>	AVG Temp °C <u>4</u>
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						

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

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


envirotech

Envirotech Analytical Laboratory

Printed: 7/24/2023 7:46:09AM

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:	07/24/23 05:30	Work Order ID:	E307116
Phone:	(575) 631-6977	Date Logged In:	07/21/23 15:36	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	07/24/23 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

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

CONDITIONS

Action 244960

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 244960
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2315843731 BEETLE JUICE 19 FEDERAL #003H, thank you. This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation including pictures of the contoured backfilled excavation surface and a thorough discussion on reseeding mixture, vegetation ratio, timelines, etc., will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	1/5/2024