

Incident ID	nAPP2220629483
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>&lt;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 <b>not</b> 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.

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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: 10/2/2023

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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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: 10/2/2023

email: dale.woodall@divn.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: Scott Rodgers Date: 03/08/2024

Printed Name: Scott Rodgers Title: Environmental Specialist Adv.



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

September 11, 2023

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

**Re: Site Assessment and Closure Report**  
**Beetlejuice 19 3 Battery**  
**API No. N/A**  
**GPS: Latitude 32.652587 Longitude -103.912057**  
**UL -- C, 19, T19S, R31E**  
**Eddy County, NM**  
**NMOCD Ref. No. NAPP2220629483**

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment and submit this closure report for a produced water release that occurred at the Beetlejuice 19 3 Battery (Beetlejuice). The initial C-141 was submitted on July 29, 2022 (Appendix C). This incident was assigned Incident ID NAPP2220629483 by the New Mexico Oil Conservation Division (NMOCD).

#### Site Characterization

The Beetlejuice is located approximately twenty-three (23) miles northeast of Carlsbad, NM. This spill site is in Unit C, Section 19, Township 19S, Range 31E, Latitude 32.652587 Longitude -103.912057, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Eolian and piedmont deposits. 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 Simona-Bippus complex, 0 to 5 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class is well drained. There is a high potential for karst geology to be present around the Beetlejuice (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 180 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 22 feet BGS. The closest waterway is a Salt Playa located approximately 2.63 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**

**NAPP2220629483:** On July 23, 2022, a water tank was struck by lightning causing fluid release. Devon had a vacuum truck remove the standing fluid. The released fluids were calculated to be approximately 220.44 barrels (bbls) of produced water. Vacuum trucks were able to recover approximately 220.44 bbls of produced water.

**Site Assessment and Soil Sampling Results**

On August 11, 2022, Pima mobilized personnel to the site to assess the area. We sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

8-11-22 Soil Sample Results								
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - BEETLE JUICE 19 3 Battery								
Date: 8/11/22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	3'	ND	ND	ND	ND	ND	0	188
S-2	3'	ND	ND	ND	ND	ND	0	1310
	4'	ND	ND	ND	ND	ND	0	406
S-3	3'	ND	ND	ND	ND	ND	0	844
	4'	ND	ND	ND	ND	ND	0	664
S-4	3'	ND	ND	ND	ND	ND	0	3520
	4'	ND	ND	ND	ND	ND	0	1750
	5'	ND	ND	ND	ND	ND	0	ND
S-5	3'	ND	ND	ND	ND	ND	0	636
	4'	ND	ND	ND	ND	ND	0	1420
	5'	ND	ND	ND	ND	ND	0	ND
S-6	1'	ND	ND	ND	ND	ND	0	109
S-7	1'	ND	ND	ND	ND	ND	0	77.8
S-8	1'	ND	ND	ND	ND	ND	0	ND
SW 1	6"	ND	ND	ND	ND	ND	0	ND
SW 2	6"	ND	ND	ND	ND	ND	0	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	ND
SW 5	6"	ND	ND	ND	ND	ND	0	ND
SW 6	6"	ND	ND	ND	ND	ND	0	ND
SW 7	6"	ND	ND	ND	ND	ND	0	ND
SW 8	6"	ND	ND	ND	ND	ND	0	ND
SW 9	6"	ND	ND	ND	ND	ND	0	ND
SW 10	6"	ND	ND	ND	ND	ND	0	ND
SW 11	6"	ND	ND	ND	ND	ND	0	ND
SW 12	6"	ND	ND	ND	ND	ND	0	ND
SW 13	6"	ND	ND	ND	ND	ND	0	ND
SW 14	6"	ND	ND	ND	ND	ND	0	ND
BG 1	6"	ND	ND	ND	ND	ND	0	ND
BG 2	6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

**Remediation Activities**

On November 7, 2022, the Devon Construction Department mobilized personnel and equipment to conduct remedial activities. They excavated the areas from S-1 through S-5 to a depth of 5' BGS. Pima personnel collected samples to verify all contaminated soil had been removed. The contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On November 16, 2022, after sending a 48-hour notification (Appendix C), Pima collected confirmation samples of the excavated areas. Laboratory results of this sampling event can be found in the following data table. A Confirmation Sample Map can be found in Figure 5.

## 11-16-22 Confirmation Samples Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - BEETLE JUICE 19 3 Battery								
Date: 11/16/22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CSW 1	5'	ND	ND	ND	ND	ND	0	22.3
CSW 2	5'	ND	ND	ND	ND	ND	0	ND
CSW 3	5'	ND	ND	ND	ND	ND	0	21
CSW 4	5'	ND	ND	ND	ND	ND	0	ND
CSW 5	5'	ND	ND	ND	ND	ND	0	ND
CSW 6	5'	ND	ND	ND	ND	ND	0	147
CSW 7	5'	ND	ND	ND	ND	ND	0	106
CSW 8	5'	ND	ND	ND	ND	ND	0	ND
CSW 9	5'	ND	ND	ND	ND	ND	0	ND
CSW 10	5'	ND	ND	ND	ND	ND	0	ND
CSW 11	5'	ND	ND	ND	ND	ND	0	ND
CSW 12	5'	ND	ND	ND	ND	ND	0	20.8
CSW 13	5'	ND	ND	ND	ND	ND	0	11.3
CSW 14	5'	ND	ND	ND	ND	ND	0	22.4
CSW 15	5'	ND	ND	ND	ND	ND	0	ND
CSW 16	5'	ND	ND	ND	ND	ND	0	ND
CSW 17	5'	ND	ND	ND	ND	ND	0	ND
CSW 18	5'	ND	ND	ND	ND	ND	0	30.6
CSW 19	5'	ND	ND	ND	ND	ND	0	ND
CSW 20	5'	ND	ND	ND	ND	ND	0	ND
CSW 21	5'	ND	ND	ND	ND	ND	0	ND
CSW 22	5'	ND	ND	ND	ND	ND	0	ND
CSW 23	5'	ND	ND	ND	ND	ND	0	39
CSW 24	5'	ND	ND	ND	ND	ND	0	ND
CSW 25	5'	ND	ND	ND	ND	ND	0	ND
CSW 26	5'	ND	ND	ND	ND	ND	0	ND
CSW 27	5'	ND	ND	ND	ND	ND	0	ND
CSW 28	5'	ND	ND	ND	ND	ND	0	ND
CSW 29	5'	ND	ND	ND	ND	ND	0	ND
CSW 30	5'	ND	ND	ND	ND	ND	0	ND
CSW 31	5'	ND	ND	ND	ND	ND	0	ND
CSW 32	5'	ND	ND	ND	ND	ND	0	ND
CS 1	5'	ND	ND	ND	ND	ND	0	ND
CS 2	5'	ND	ND	ND	ND	ND	0	ND
CS 3	5'	ND	ND	ND	ND	ND	0	ND
CS 4	5'	ND	ND	ND	ND	ND	0	ND
CS 5	5'	ND	ND	ND	ND	ND	0	ND
CS 6	5'	ND	ND	ND	ND	ND	0	ND
CS 7	5'	ND	ND	ND	ND	ND	0	ND
CS 8	5'	ND	ND	ND	ND	ND	0	ND
CS 9	5'	ND	ND	ND	ND	ND	0	ND
CS 10	5'	ND	ND	ND	ND	ND	0	ND
CS 11	5'	ND	ND	ND	ND	ND	0	ND
CS 12	5'	ND	ND	ND	ND	ND	0	ND
CS 13	5'	ND	ND	ND	ND	ND	0	ND
CS 14	5'	ND	ND	ND	ND	ND	0	ND
CS 15	5'	ND	ND	ND	ND	ND	0	ND
CS 16	5'	ND	ND	ND	ND	ND	0	ND
CS 17	5'	ND	ND	ND	ND	ND	0	ND
CS 18	5'	ND	ND	ND	ND	ND	0	ND
CS 19	5'	ND	ND	ND	ND	ND	0	ND
CS 20	5'	ND	ND	ND	ND	ND	0	ND
CS 21	5'	ND	ND	ND	ND	ND	0	ND
CS 22	5'	ND	ND	ND	ND	ND	0	ND
CS 23	5'	ND	ND	ND	ND	ND	0	ND
CS 24	5'	ND	ND	ND	ND	ND	0	ND
CS 25	5'	ND	ND	ND	ND	ND	0	ND
CS 26	5'	ND	ND	ND	ND	ND	0	ND
CS 27	5'	ND	ND	ND	ND	ND	0	ND
CS 28	5'	ND	ND	ND	ND	ND	0	ND
CS 29	5'	ND	ND	ND	ND	ND	0	ND
CS 30	5'	ND	ND	ND	ND	ND	0	ND
CS 31	5'	ND	ND	ND	ND	ND	0	ND
CS 32	5'	ND	ND	ND	ND	ND	0	ND
CS 33	5'	ND	ND	ND	ND	ND	0	ND
CS 34	5'	ND	ND	ND	ND	ND	0	ND
CS 35	5'	ND	ND	ND	ND	ND	0	ND
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CS 37	5'	ND	ND	ND	ND	ND	0	ND
CS 38	5'	ND	ND	ND	ND	ND	0	ND

CS 39	5'	ND	ND	ND	ND	ND	0	ND
CS 40	5'	ND	ND	ND	ND	ND	0	ND
CS 41	5'	ND	ND	ND	ND	ND	0	29.7
CS 42	5'	ND	ND	ND	ND	ND	0	ND
CS 43	5'	ND	ND	ND	ND	ND	0	28.9
CS 44	5'	ND	ND	ND	ND	ND	0	ND
CS 45	5'	ND	ND	ND	ND	ND	0	ND
CS 46	5'	ND	ND	ND	ND	ND	0	ND
CS 47	5'	ND	ND	ND	ND	ND	0	33.9
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CS 58	5'	ND	ND	ND	ND	ND	0	ND
CS 59	5'	ND	ND	ND	ND	ND	0	ND
CS 60	5'	ND	ND	ND	ND	ND	0	ND
CS 61	5'	ND	ND	ND	ND	ND	0	20.7
CS 62	5'	ND	ND	ND	ND	ND	0	ND
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CS 65	5'	ND	ND	ND	ND	ND	0	ND
CS 66	5'	ND	ND	ND	ND	ND	0	ND
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CS 68	5'	ND	ND	ND	ND	ND	0	ND
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CS 70	5'	ND	ND	ND	ND	ND	0	ND
CS 71	5'	ND	ND	ND	ND	ND	0	ND
CS 72	5'	ND	ND	ND	ND	ND	0	ND
CS 73	5'	ND	ND	ND	ND	ND	0	ND
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CS 75	5'	ND	ND	ND	ND	ND	0	ND
CS 76	5'	ND	ND	ND	ND	ND	0	ND
CS 77	5'	ND	ND	ND	ND	ND	0	ND
CS 78	5'	ND	ND	ND	ND	ND	0	ND
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CS 111	5'	ND	ND	ND	ND	ND	0	ND
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CS 115	5'	ND	ND	ND	ND	ND	0	ND
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CS 118	5'	ND	ND	ND	ND	ND	0	ND
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CS 120	5'	ND	ND	ND	ND	ND	0	ND
CS 121	5'	ND	ND	ND	ND	ND	0	ND
CS 122	5'	ND	ND	ND	ND	ND	0	ND
CS 123	5'	ND	ND	ND	ND	ND	0	ND
CS 124	5'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

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

### **Closure Request**

After careful review, Pima requests that this incident, NAPP2220629483 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](mailto: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 & Lea Land, LLC Correspondence
- Appendix E – Laboratory Reports



Pima Environmental Services

**Figures:**

1 - Location Map

2 - Topographic Map

3 - Karst Map

4 - Site Map

5 - Confirmation Sample Map

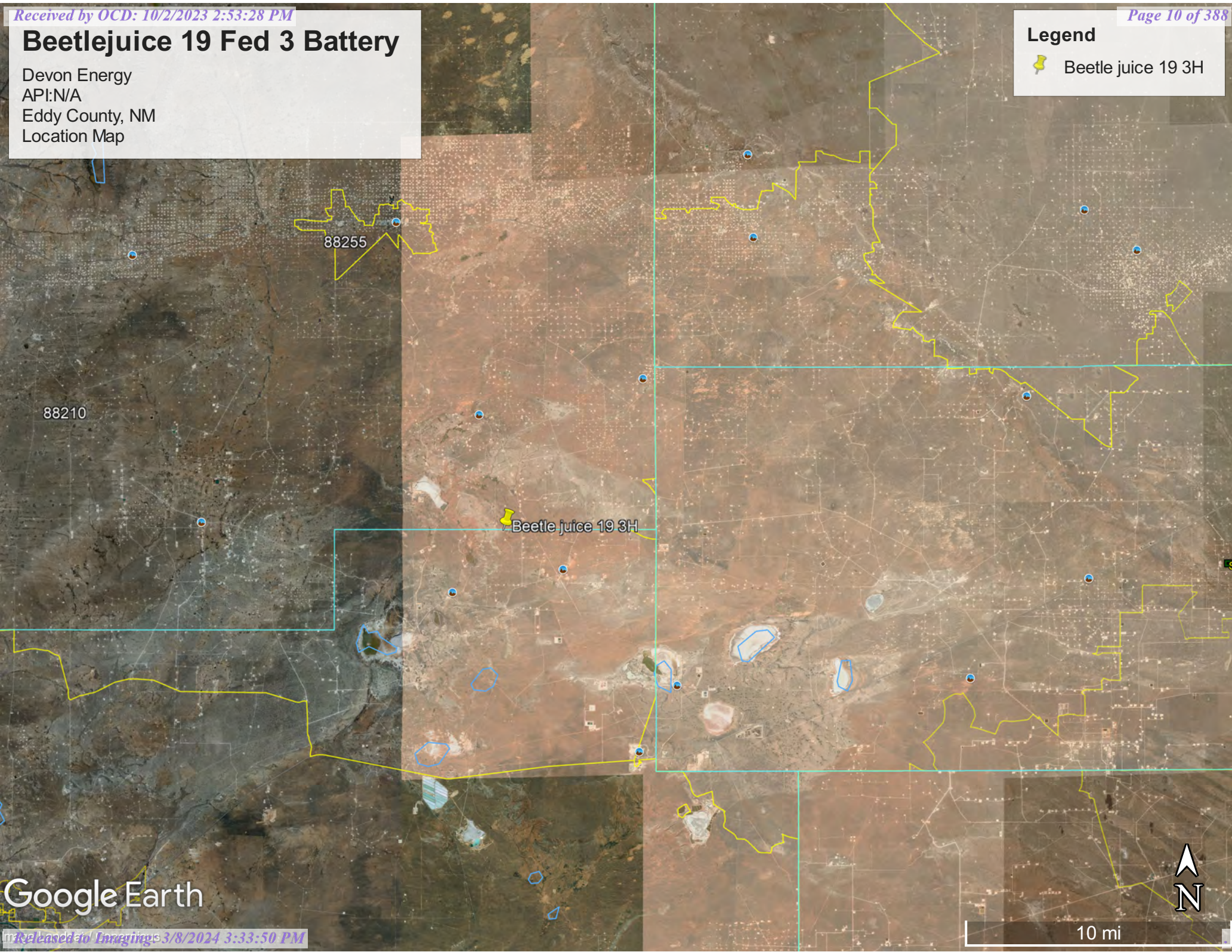


# Beetlejuice 19 Fed 3 Battery

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

## Legend

 Beetle juice 19 3H



88255

88210

Beetle juice 19 3H

N

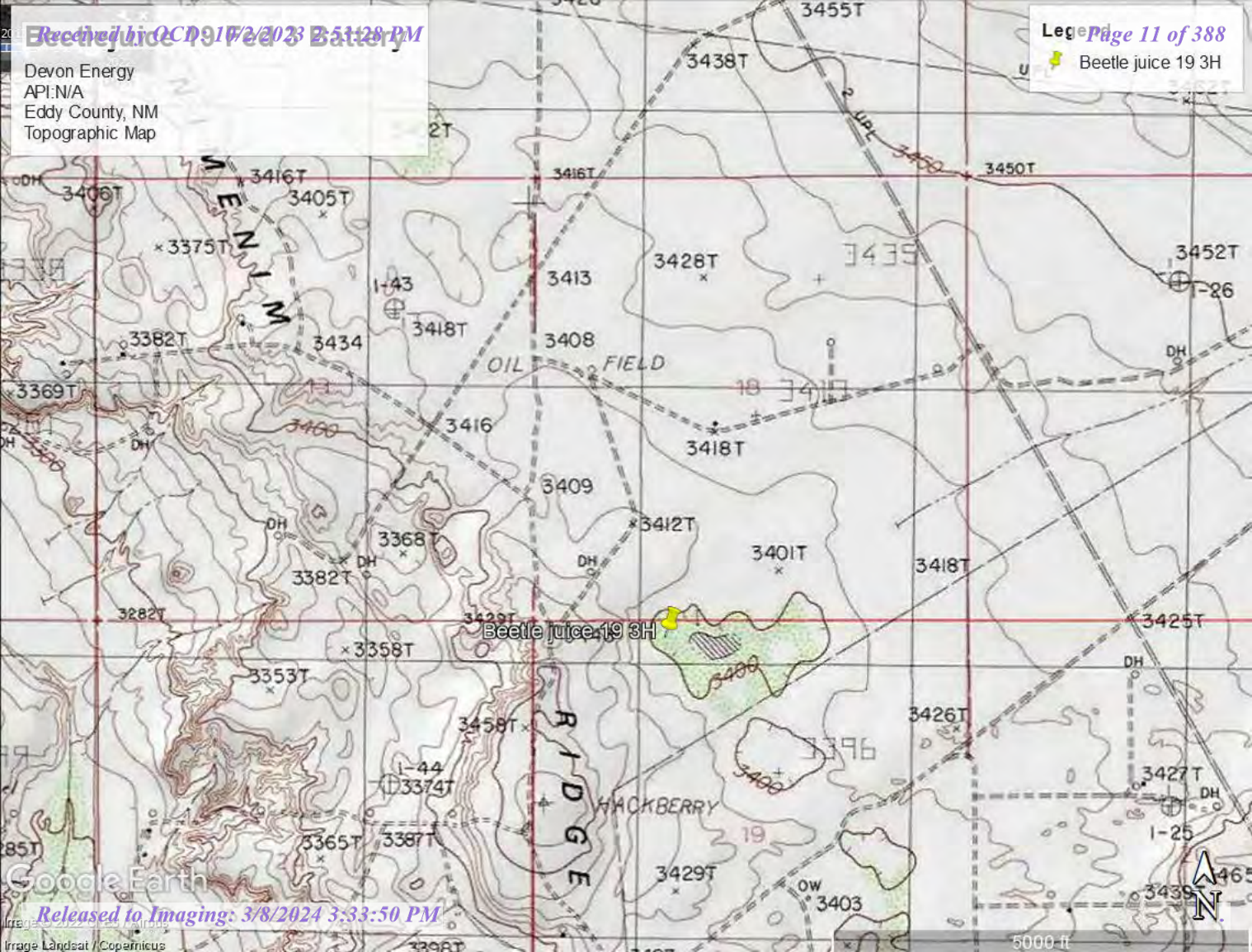
10 mi

Google Earth



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

Beetle juice 19 3H



Google Earth

Released to Imaging: 3/8/2024 3:33:50 PM





Image Landsat / Copernicus




# Beetlejuice 19 3 Battery

Devon Energy  
API:  
Eddy County, NM  
Karst Water Map

## Legend

-  Beetlejuice 19 3 Battery
-  High Karst
-  Low Karst
-  Medium Karst

Beetlejuice 19 3 Battery 

Google Earth




3 mi




# Beetlejuice 19 3 Battery

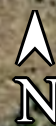
Devon Eenergy  
API:  
Eddy County, NM  
Site Map

## Legend

 Beetlejuice 19 3 Battery

 Beetlejuice 19 3 Battery

Google Earth







100 ft




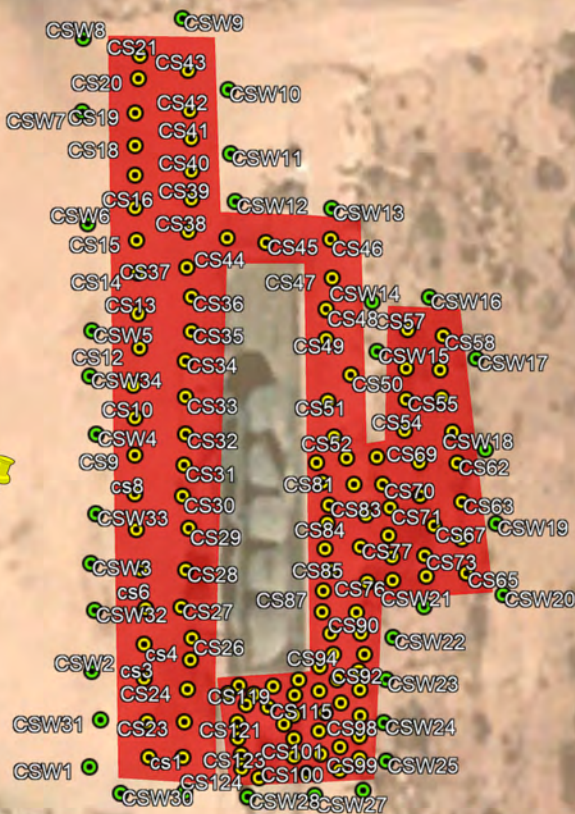
# Beetlejuice 19 Fed 3 Battery

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

## Legend

-  Beetle juice 19 3H
-  Excavation Area
-  Bottom samples
-  Sidewalls

Beetle juice 19 3H 



200 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
<a href="#">CP 00873 POD1</a>		CP	LE	1	1	19	19S	31E		601772	3613147*	286	340	180	160
<a href="#">CP 00357 POD1</a>		CP	ED	4	4	1	24	19S	30E	600667	3612631*	1505	630		
<a href="#">CP 00357 POD2</a>		CP	ED	4	3	1	24	19S	30E	600265	3612627*	1876	630		
<a href="#">CP 00722 POD2</a>		CP	ED	2	1	1	25	19S	30E	600276	3611620*	2413	350	65	285
<a href="#">CP 00822 POD1</a>		CP	LE	4	4	15	19S	30E		598148	3613516*	3879	90		
<a href="#">CP 00647 POD1</a>	O	CP	ED	4	2	2	15	19S	30E	598235	3614621*	4013	200	92	108
<a href="#">CP 00725 POD1</a>		CP	ED	1	3	3	28	19S	31E	604906	3610473*	4030	231		
<a href="#">CP 00829 POD1</a>		CP	LE	2	4	16	19S	31E		606165	3614009*	4206	120		
<a href="#">CP 00722 POD1</a>		CP	LE	4	3	3	28	19S	31E	605106	3610273*	4313	200		
<a href="#">CP 00722 POD1</a>	R	CP	LE	4	3	3	28	19S	31E	605106	3610273*	4313	200		
<a href="#">CP 00723 POD1</a>		CP	ED	2	1	1	33	19S	31E	605111	3610071*	4460	139		
<a href="#">CP 00828 POD1</a>		CP	LE	1	1	35	19S	30E		598585	3609900*	4825	90		

Average Depth to Water: **112 feet**  
 Minimum Depth: **65 feet**  
 Maximum Depth: **180 feet**

**Record Count:** 12

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 602021

**Northing (Y):** 3613287.97

**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.

8/4/22 9:28 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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

## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation



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

## Search Results -- 1 sites found

site\_no list =

- 323810103554201

Minimum number of levels = 1

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

## USGS 323810103554201 19S.30E.25.12133

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'10", Longitude 103°55'42" NAD27

Land-surface elevation 3,248 feet above NAVD88

The depth of the well is 42 feet below land surface.

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

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

### Output formats

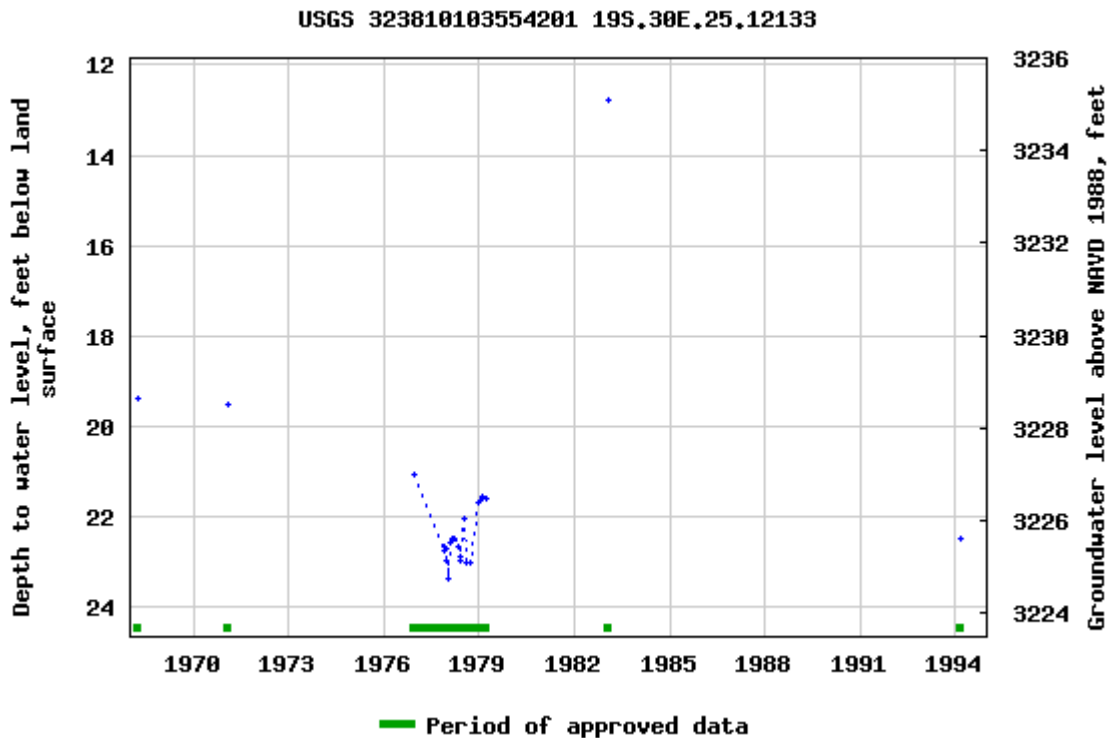
[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)





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

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

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[News](#)

[Accessibility](#)

[FOIA](#)

[Privacy](#)

[Policies and Notices](#)

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

**Title: Groundwater for USA: Water Levels**

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

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

Page Last Modified: 2022-08-04 11:25:29 EDT

0.59 0.53 nadww01





# Beetlejuice 19 3 Battery

Devon Energy  
API:  
Eddy County, NM  
Surface Water Map

## Legend

- 2.63 Miles
- Beetlejuice 19 3 Battery

Salt Playa

Beetlejuice 19 3 Battery

Google Earth



3 mi





Pima Environmental Services

**Appendix B**

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map



Map Unit Description: Simona-Bippus complex, 0 to 5 percent slopes---Eddy Area, New Mexico

---

## Eddy Area, New Mexico

### SM—Simona-Bippus complex, 0 to 5 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1w5x

*Elevation:* 1,800 to 5,000 feet

*Mean annual precipitation:* 8 to 24 inches

*Mean annual air temperature:* 57 to 70 degrees F

*Frost-free period:* 180 to 230 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Simona and similar soils:* 55 percent

*Bippus and similar soils:* 30 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Simona

##### Setting

*Landform:* Plains, alluvial fans

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Convex, linear

*Across-slope shape:* Linear

*Parent material:* Mixed alluvium and/or eolian sands

##### Typical profile

*H1 - 0 to 19 inches:* gravelly fine sandy loam

*H2 - 19 to 23 inches:* indurated

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* 7 to 20 inches to petrocalcic

*Drainage class:* Well drained

*Runoff class:* Very high

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

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 15 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Very low (about 2.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* D

Map Unit Description: Simona-Bippus complex, 0 to 5 percent slopes---Eddy Area, New Mexico

---

*Ecological site:* R042XC002NM - Shallow Sandy  
*Hydric soil rating:* No

## Description of Bippus

### Setting

*Landform:* Flood plains, alluvial fans  
*Landform position (three-dimensional):* Talf, rise  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Linear  
*Parent material:* Mixed alluvium

### Typical profile

*H1 - 0 to 37 inches:* silty clay loam  
*H2 - 37 to 60 inches:* clay loam

### Properties and qualities

*Slope:* 0 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Very 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:* OccasionalNone  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 40 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* Moderate (about 8.7 inches)

### Interpretive groups

*Land capability classification (irrigated):* 2e  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* B  
*Ecological site:* R042XC017NM - Bottomland  
*Hydric soil rating:* No

## Minor Components

### Simona

*Percent of map unit:* 8 percent  
*Ecological site:* R042XC002NM - Shallow Sandy  
*Hydric soil rating:* No

### Bippus

*Percent of map unit:* 7 percent  
*Ecological site:* R042XC017NM - Bottomland

Map Unit Description: Simona-Bippus complex, 0 to 5 percent slopes---Eddy Area, New Mexico

---

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 17, Sep 12, 2021

# National Flood Hazard Layer FIRMette



103°55'3"W 32°39'24"N



## Legend

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

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



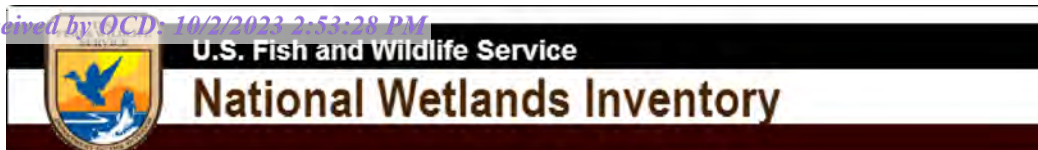
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/4/2022 at 11:29 AM 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



November 21, 2022

**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	nAPP2220629483
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 32.652587 Longitude -103.912057  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Beetlejuice 19 3 Battery	Site Type Oil
Date Release Discovered 07/23/2022	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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 220.44 BBLS	Volume Recovered (bbls) 220.44 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 Water tank was stuck by lightning causing fluid release.

Incident ID	nAPP2220629483
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? <b>Spill is over 25 BBLs.</b>
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? <b>Immediate notice given by Dale Woodall to NMED OCD and Mike Bratcher by email.</b>	

## 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>07/29/2022</u> Telephone: <u>575-748-0167</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>07/29/2022</u>



NAPP2220629483

Spills In Lined Containment	
Measurements Of Standing Fluid	
Length(Ft)	140
Width(Ft)	30
Depth(in.)	4.56
Total Capacity without tank displacements (bbls)	284.26
No. of 500 bbl Tanks In Standing Fluid	5
No. of Other Tanks In Standing Fluid	1
OD Of Other Tanks In Standing Fluid(feet)	
Total Volume of standing fluid accounting for tank displacement.	220.44

**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 129810

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 129810
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	7/29/2022

Incident ID	nAPP2220629483
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>&lt;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 <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

Incident ID	nAPP2220629483
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: 10/2/2023

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2220629483
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: 10/2/2023

email: dale.woodall@div.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 Juice 19 Fed 3 Sampling Confirmation

1 message

---

Gio PimaOil <gio@pimaoil.com>

Mon, Nov 14, 2022 at 11:47 AM

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

Good Morning,

Pima Environmental would like to notify you that we will be collecting confirmation samples at the **Beetlejuice 19 Fed 3 Battery** for incident **NAPP2220629483**. Pima personnel are scheduled to be on site for this sampling event at approximately 12:00 p.m. on Wednesday, November 16, 2022. If you have any questions or concerns, please let me know. Thank you.

--

Gio Gomez

Project Manager

cell-806-782-1151

Office- 575-964-7740

**Pima Environmental Services, LLC.**



Pima Environmental Services

## **Appendix D**

Photographic Documentation

Lea Land, LLC Correspondence





**SITE PHOTOGRAPHS**  
**DEVON ENERGY**  
**BEETLEJUICE 19 3 BATTERY**

**Pre-Treatment**







+32.652671,-103.911409  
Eddy County  
Devon Energy  
Beetle Juice 19 Fed 3 Battery  
Flagging



+32.652574,-103.911431  
Eddy County  
Devon Energy  
Beetle Juice 19 Fed 3 Battery  
Flagging



+32.652280,-103.911506  
Eddy County  
Devon Energy  
Beetle Juice 19 Fed 3 Battery  
Flagging



5' Excavation



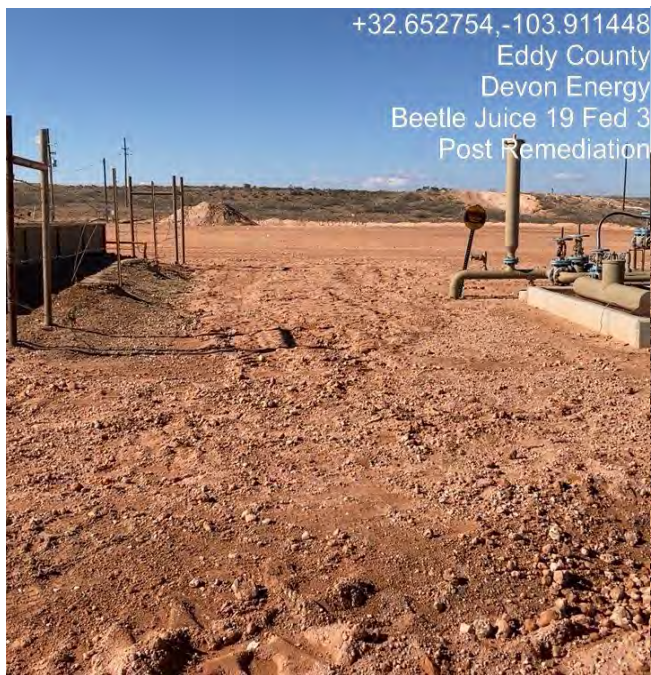




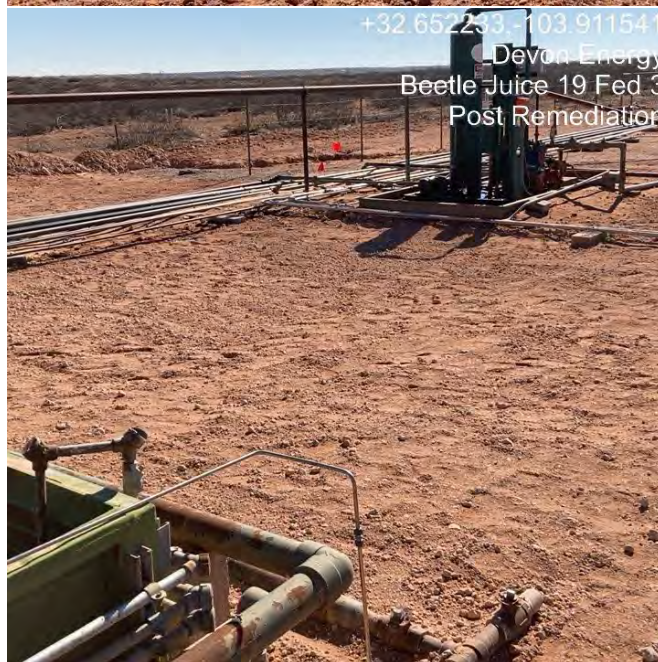
Post Excavation

















Apr 3, 2023

Tom Bynum  
Pima Oil/Environmental

Re: Devon – Beetlejuice 19-3 Battery

Tom,  
Lea Land Landfill disposed contaminated soil from the above referenced site:

Nov 10, 2022  
668.39 tons

Nov 11-17, 2022  
284.77 tons

Please let me know if you have any additional questions.  
Thank you,  
Shelley Detnon



**From:** [Shelley Denton](#)  
**To:** [tom@pimaoil.com](mailto:tom@pimaoil.com)  
**Cc:** [Gio PimaOil](#)  
**Subject:** Re: Beetlejuice 19 - Devon  
**Date:** Monday, April 3, 2023 10:49:06 AM

---

Here's what I found.

Nov 10

668.39 tons disposed

Nov 11-17

284.77 tons disposed

Hope that helps!

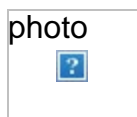


**Shelley Denton**  
LeaLand, LLC  
(405) 249-1667  
[Shelley@lealandllc.com](mailto:Shelley@lealandllc.com)

On Apr 3, 2023, at 11:38 AM, Shelley Denton <[shelley@lealandllc.com](mailto:shelley@lealandllc.com)> wrote:

Hi Tom!

Let me take a look in our system see what I can find. Get back to you shortly.



**Shelley Denton**  
LeaLand, LLC  
(405) 249-1667  
[Shelley@lealandllc.com](mailto:Shelley@lealandllc.com)

On Apr 3, 2023, at 11:06 AM, [tom@pimaoil.com](mailto:tom@pimaoil.com) wrote:

Hey Shelley, hope you're doing well! Could you help me with some ticket questions?

Somewhere between Nov. 7<sup>th</sup>, 2022 and Nov. 16<sup>th</sup> there was some contaminated soil hauled to you from Devon's Beetlejuice 19 3 Battery, could you look that one up and send me a summary of how much was taken please and thank you?

THANK YOU,

*Tom Bynum*

Cell – 580-748-1613

Office – 575-964-7740

<image001.jpg>

**Pima Environmental Services, LLC.**

**5614 N Lovington Hwy.**

**Hobbs, NM, 88240**



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 3

Work Order: E208102

Job Number: 01058-0007

Received: 8/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/24/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 8/24/22

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Beetle Juice 19 Fed 3  
Workorder: E208102  
Date Received: 8/18/2022 10:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/18/2022 10:00:00AM, under the Project Name: Beetle Juice 19 Fed 3.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto: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](mailto: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](http://www.envirotech-inc.com)

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/24/22 09:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S.1 3'	E208102-01A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
S.2 3'	E208102-02A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
S.2 4'	E208102-03A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
S.3 3'	E208102-04A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
S.3 4'	E208102-05A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
S.4 3'	E208102-06A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
S.4 4'	E208102-07A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
S.4 5'	E208102-08A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
S.5 3'	E208102-09A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
S.5 4'	E208102-10A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
S.5 5'	E208102-11A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
S.6 1'	E208102-12A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
S.7 1'	E208102-13A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
S.8 1'	E208102-14A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
SW1	E208102-15A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
SW2	E208102-16A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
SW3	E208102-17A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
SW4	E208102-18A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
SW5	E208102-19A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
SW6	E208102-20A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
SW7	E208102-21A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
SW8	E208102-22A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
SW9	E208102-23A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
SW10	E208102-24A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
SW11	E208102-25A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
SW12	E208102-26A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
SW13	E208102-27A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
SW14	E208102-28A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
BG1	E208102-29A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.
BG2	E208102-30A	Soil	08/11/22	08/18/22	Glass Jar, 2 oz.





## Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
PO Box 247	Project Number:	01058-0007	<b>Reported:</b>
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/24/2022 9:41:38AM

S.1 3'

E208102-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
<i>Surrogate: Bromofluorobenzene</i>	99.9 %	70-130		08/18/22	08/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.3 %	70-130		08/18/22	08/20/22	
<i>Surrogate: Toluene-d8</i>	105 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
<i>Surrogate: Bromofluorobenzene</i>	99.9 %	70-130		08/18/22	08/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.3 %	70-130		08/18/22	08/20/22	
<i>Surrogate: Toluene-d8</i>	105 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
<i>Surrogate: n-Nonane</i>	77.7 %	50-200		08/19/22	08/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	188	20.0	1	08/18/22	08/19/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

S.2 3'

E208102-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
Surrogate: n-Nonane	87.3 %	50-200		08/19/22	08/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	1310	20.0	1	08/18/22	08/19/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

S.2 4'

E208102-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	96.1 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	96.1 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
Surrogate: n-Nonane	76.0 %	50-200		08/19/22	08/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	406	20.0	1	08/18/22	08/19/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

S.3 3'

E208102-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
Surrogate: n-Nonane	87.2 %	50-200		08/19/22	08/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	844	20.0	1	08/18/22	08/19/22	





## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

S.3 4'

E208102-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	95.9 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	95.9 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
Surrogate: n-Nonane	77.2 %	50-200		08/19/22	08/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	664	20.0	1	08/18/22	08/19/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

S.4 3'

E208102-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
Surrogate: n-Nonane	81.7 %	50-200		08/19/22	08/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	3520	40.0	2	08/18/22	08/19/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

S.4 4'

E208102-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	08/18/22	08/20/22	
Surrogate: Toluene-d8		103 %	70-130	08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	08/18/22	08/20/22	
Surrogate: Toluene-d8		103 %	70-130	08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
Surrogate: n-Nonane		80.9 %	50-200	08/19/22	08/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	1750	20.0	1	08/18/22	08/19/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

S.4 5'

E208102-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	96.6 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	102 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	96.6 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	102 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
Surrogate: n-Nonane	84.6 %	50-200		08/19/22	08/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	ND	20.0	1	08/18/22	08/19/22	





## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

S.5 3'

E208102-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
Surrogate: n-Nonane	80.5 %	50-200		08/19/22	08/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	636	20.0	1	08/18/22	08/19/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

S.5 4'

E208102-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
Surrogate: n-Nonane	84.5 %	50-200		08/19/22	08/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	1420	20.0	1	08/18/22	08/19/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

S.5 5'

E208102-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	95.2 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	95.2 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
Surrogate: n-Nonane	81.9 %	50-200		08/19/22	08/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	ND	20.0	1	08/18/22	08/19/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

S.6 1'

E208102-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
Surrogate: n-Nonane	82.9 %	50-200		08/19/22	08/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	109	20.0	1	08/18/22	08/19/22	





## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

S.7 1'

E208102-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
Surrogate: n-Nonane	84.7 %	50-200		08/19/22	08/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	77.8	20.0	1	08/18/22	08/19/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

S.8 1'

E208102-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	83.2 %	50-200		08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	ND	20.0	1	08/18/22	08/19/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

## SW1

## E208102-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	80.2 %	50-200		08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	ND	20.0	1	08/18/22	08/19/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

## SW2

## E208102-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	105 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	105 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	80.9 %	50-200		08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	ND	20.0	1	08/18/22	08/19/22	





## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

## SW3

## E208102-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	96.0 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	96.0 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	87.8 %	50-200		08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	ND	20.0	1	08/18/22	08/19/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

## SW4

## E208102-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	08/18/22	08/20/22	
Surrogate: Toluene-d8		103 %	70-130	08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	08/18/22	08/20/22	
Surrogate: Toluene-d8		103 %	70-130	08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane		89.3 %	50-200	08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	ND	20.0	1	08/18/22	08/19/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

## SW5

## E208102-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	82.9 %	50-200		08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	ND	20.0	1	08/18/22	08/19/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

## SW6

## E208102-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Benzene	ND	0.0250	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/20/22	
Toluene	ND	0.0250	1	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	08/18/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	88.0 %	50-200		08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	ND	20.0	1	08/18/22	08/19/22	





## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

SW7

E208102-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Benzene	ND	0.0250	1	08/18/22	08/22/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/22/22	
Toluene	ND	0.0250	1	08/18/22	08/22/22	
o-Xylene	ND	0.0250	1	08/18/22	08/22/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/22/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	105 %	70-130		08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	105 %	70-130		08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234096
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	86.6 %	50-200		08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234088
Chloride	ND	20.0	1	08/18/22	08/22/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

## SW8

## E208102-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Benzene	ND	0.0250	1	08/18/22	08/22/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/22/22	
Toluene	ND	0.0250	1	08/18/22	08/22/22	
o-Xylene	ND	0.0250	1	08/18/22	08/22/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/22/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234096
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	87.3 %	50-200		08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234088
Chloride	ND	20.0	1	08/18/22	08/22/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

## SW9

## E208102-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Benzene	ND	0.0250	1	08/18/22	08/22/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/22/22	
Toluene	ND	0.0250	1	08/18/22	08/22/22	
o-Xylene	ND	0.0250	1	08/18/22	08/22/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/22/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234096
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	86.3 %	50-200		08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234088
Chloride	ND	20.0	1	08/18/22	08/22/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

## SW10

## E208102-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Benzene	ND	0.0250	1	08/18/22	08/22/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/22/22	
Toluene	ND	0.0250	1	08/18/22	08/22/22	
o-Xylene	ND	0.0250	1	08/18/22	08/22/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/22/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234096
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	86.9 %	50-200		08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234088
Chloride	ND	20.0	1	08/18/22	08/22/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

## SW11

## E208102-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Benzene	ND	0.0250	1	08/18/22	08/22/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/22/22	
Toluene	ND	0.0250	1	08/18/22	08/22/22	
o-Xylene	ND	0.0250	1	08/18/22	08/22/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/22/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/18/22	08/22/22	
Surrogate: Toluene-d8		105 %	70-130	08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	08/18/22	08/22/22	
Surrogate: Toluene-d8		105 %	70-130	08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234096
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane		89.4 %	50-200	08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234088
Chloride	ND	20.0	1	08/18/22	08/22/22	





## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

## SW12

## E208102-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Benzene	ND	0.0250	1	08/18/22	08/22/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/22/22	
Toluene	ND	0.0250	1	08/18/22	08/22/22	
o-Xylene	ND	0.0250	1	08/18/22	08/22/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/22/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234096
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	92.6 %	50-200		08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234088
Chloride	ND	20.0	1	08/18/22	08/22/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

## SW13

## E208102-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Benzene	ND	0.0250	1	08/18/22	08/22/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/22/22	
Toluene	ND	0.0250	1	08/18/22	08/22/22	
o-Xylene	ND	0.0250	1	08/18/22	08/22/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/22/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234096
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	87.6 %	50-200		08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234088
Chloride	ND	20.0	1	08/18/22	08/22/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

## SW14

## E208102-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Benzene	ND	0.0250	1	08/18/22	08/22/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/22/22	
Toluene	ND	0.0250	1	08/18/22	08/22/22	
o-Xylene	ND	0.0250	1	08/18/22	08/22/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/22/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234096
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	88.2 %	50-200		08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234088
Chloride	ND	20.0	1	08/18/22	08/22/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

## BG1

## E208102-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Benzene	ND	0.0250	1	08/18/22	08/22/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/22/22	
Toluene	ND	0.0250	1	08/18/22	08/22/22	
o-Xylene	ND	0.0250	1	08/18/22	08/22/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/22/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	08/18/22	08/22/22	
Surrogate: Toluene-d8		105 %	70-130	08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	08/18/22	08/22/22	
Surrogate: Toluene-d8		105 %	70-130	08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234096
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane		86.3 %	50-200	08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234088
Chloride	ND	20.0	1	08/18/22	08/22/22	



## Sample Data

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

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

**Reported:**  
8/24/2022 9:41:38AM

## BG2

## E208102-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Benzene	ND	0.0250	1	08/18/22	08/22/22	
Ethylbenzene	ND	0.0250	1	08/18/22	08/22/22	
Toluene	ND	0.0250	1	08/18/22	08/22/22	
o-Xylene	ND	0.0250	1	08/18/22	08/22/22	
p,m-Xylene	ND	0.0500	1	08/18/22	08/22/22	
Total Xylenes	ND	0.0250	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	08/18/22	08/22/22	
Surrogate: Toluene-d8		105 %	70-130	08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2234067
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	08/18/22	08/22/22	
Surrogate: Toluene-d8		105 %	70-130	08/18/22	08/22/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2234096
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane		93.2 %	50-200	08/19/22	08/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234088
Chloride	ND	20.0	1	08/18/22	08/22/22	





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/24/2022 9:41:38AM

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

## Blank (2234066-BLK1)

Prepared: 08/18/22 Analyzed: 08/20/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

## LCS (2234066-BS1)

Prepared: 08/18/22 Analyzed: 08/22/22

Benzene	2.03	0.0250	2.50		81.3	70-130			
Ethylbenzene	2.22	0.0250	2.50		88.8	70-130			
Toluene	2.11	0.0250	2.50		84.4	70-130			
o-Xylene	2.05	0.0250	2.50		82.0	70-130			
p,m-Xylene	4.10	0.0500	5.00		82.0	70-130			
Total Xylenes	6.15	0.0250	7.50		82.0	70-130			
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.456		0.500		91.1	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

## Matrix Spike (2234066-MS1)

Source: E208102-02

Prepared: 08/18/22 Analyzed: 08/20/22

Benzene	2.14	0.0250	2.50	ND	85.5	48-131			
Ethylbenzene	2.19	0.0250	2.50	ND	87.5	45-135			
Toluene	2.11	0.0250	2.50	ND	84.3	48-130			
o-Xylene	2.06	0.0250	2.50	ND	82.5	43-135			
p,m-Xylene	4.03	0.0500	5.00	ND	80.6	43-135			
Total Xylenes	6.09	0.0250	7.50	ND	81.2	43-135			
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

## Matrix Spike Dup (2234066-MSD1)

Source: E208102-02

Prepared: 08/18/22 Analyzed: 08/20/22

Benzene	2.16	0.0250	2.50	ND	86.5	48-131	1.21	23	
Ethylbenzene	2.23	0.0250	2.50	ND	89.3	45-135	2.08	27	
Toluene	2.15	0.0250	2.50	ND	86.1	48-130	2.09	24	
o-Xylene	2.10	0.0250	2.50	ND	83.9	43-135	1.61	27	
p,m-Xylene	4.14	0.0500	5.00	ND	82.8	43-135	2.73	27	
Total Xylenes	6.24	0.0250	7.50	ND	83.1	43-135	2.35	27	
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/24/2022 9:41:38AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2234067-BLK1) Prepared: 08/18/22 Analyzed: 08/22/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

LCS (2234067-BS1) Prepared: 08/18/22 Analyzed: 08/22/22

Benzene	2.29	0.0250	2.50		91.5	70-130			
Ethylbenzene	2.29	0.0250	2.50		91.6	70-130			
Toluene	2.24	0.0250	2.50		89.7	70-130			
o-Xylene	2.14	0.0250	2.50		85.5	70-130			
p,m-Xylene	4.27	0.0500	5.00		85.4	70-130			
Total Xylenes	6.41	0.0250	7.50		85.4	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

Matrix Spike (2234067-MS1) Source: E208102-21 Prepared: 08/18/22 Analyzed: 08/22/22

Benzene	2.25	0.0250	2.50	ND	89.9	48-131			
Ethylbenzene	2.27	0.0250	2.50	ND	90.9	45-135			
Toluene	2.22	0.0250	2.50	ND	88.6	48-130			
o-Xylene	2.12	0.0250	2.50	ND	84.7	43-135			
p,m-Xylene	4.23	0.0500	5.00	ND	84.6	43-135			
Total Xylenes	6.35	0.0250	7.50	ND	84.7	43-135			
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike Dup (2234067-MSD1) Source: E208102-21 Prepared: 08/18/22 Analyzed: 08/22/22

Benzene	2.34	0.0250	2.50	ND	93.5	48-131	3.88	23	
Ethylbenzene	2.36	0.0250	2.50	ND	94.2	45-135	3.63	27	
Toluene	2.29	0.0250	2.50	ND	91.8	48-130	3.50	24	
o-Xylene	2.21	0.0250	2.50	ND	88.2	43-135	4.00	27	
p,m-Xylene	4.40	0.0500	5.00	ND	88.0	43-135	3.86	27	
Total Xylenes	6.60	0.0250	7.50	ND	88.1	43-135	3.91	27	
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	<b>Reported:</b>
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/24/2022 9:41:38AM

## 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 (2234066-BLK1)

Prepared: 08/18/22 Analyzed: 08/20/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

## LCS (2234066-BS2)

Prepared: 08/18/22 Analyzed: 08/20/22

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0		99.6	70-130			
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

## Matrix Spike (2234066-MS2)

Source: E208102-02

Prepared: 08/18/22 Analyzed: 08/20/22

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.8	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

## Matrix Spike Dup (2234066-MSD2)

Source: E208102-02

Prepared: 08/18/22 Analyzed: 08/20/22

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.2	70-130	1.66	20	
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:  8/24/2022 9:41:38AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

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 (2234067-BLK1) Prepared: 08/18/22 Analyzed: 08/22/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

LCS (2234067-BS2) Prepared: 08/18/22 Analyzed: 08/22/22

Gasoline Range Organics (C6-C10)	55.4	20.0	50.0		111	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

Matrix Spike (2234067-MS2) Source: E208102-21 Prepared: 08/18/22 Analyzed: 08/22/22

Gasoline Range Organics (C6-C10)	53.1	20.0	50.0	ND	106	70-130			
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

Matrix Spike Dup (2234067-MSD2) Source: E208102-21 Prepared: 08/18/22 Analyzed: 08/22/22

Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	70-130	3.70	20	
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/24/2022 9:41:38AM

## 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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

## Blank (2234096-BLK1)

Prepared: 08/19/22 Analyzed: 08/20/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.6		50.0		89.2	50-200			

## LCS (2234096-BS1)

Prepared: 08/19/22 Analyzed: 08/20/22

Diesel Range Organics (C10-C28)	227	25.0	250		90.6	38-132			
Surrogate: n-Nonane	42.3		50.0		84.7	50-200			

## Matrix Spike (2234096-MS1)

Source: E208103-07

Prepared: 08/19/22 Analyzed: 08/20/22

Diesel Range Organics (C10-C28)	249	25.0	250	27.0	88.7	38-132			
Surrogate: n-Nonane	42.0		50.0		84.0	50-200			

## Matrix Spike Dup (2234096-MSD1)

Source: E208103-07

Prepared: 08/19/22 Analyzed: 08/20/22

Diesel Range Organics (C10-C28)	254	25.0	250	27.0	90.6	38-132	1.91	20	
Surrogate: n-Nonane	43.1		50.0		86.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/24/2022 9:41:38AM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2234097-BLK1) Prepared: 08/19/22 Analyzed: 08/19/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	38.2		50.0		76.5	50-200			

LCS (2234097-BS1) Prepared: 08/19/22 Analyzed: 08/19/22

Diesel Range Organics (C10-C28)	232	25.0	250		93.0	38-132			
Surrogate: n-Nonane	35.5		50.0		71.1	50-200			

Matrix Spike (2234097-MS1) Source: E208102-12 Prepared: 08/19/22 Analyzed: 08/19/22

Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.3	38-132			
Surrogate: n-Nonane	35.3		50.0		70.6	50-200			

Matrix Spike Dup (2234097-MSD1) Source: E208102-12 Prepared: 08/19/22 Analyzed: 08/22/22

Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.2	38-132	1.24	20	
Surrogate: n-Nonane	34.7		50.0		69.4	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/24/2022 9:41:38AM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2234087-BLK1)					Prepared: 08/18/22 Analyzed: 08/22/22				
Chloride	ND	20.0							
LCS (2234087-BS1)					Prepared: 08/18/22 Analyzed: 08/22/22				
Chloride	254	20.0	250		102	90-110			
LCS Dup (2234087-BSD1)					Prepared: 08/18/22 Analyzed: 08/22/22				
Chloride	256	20.0	250		102	90-110	0.741	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/24/2022 9:41:38AM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2234088-BLK1)					Prepared: 08/18/22 Analyzed: 08/22/22				
Chloride	ND	20.0							
LCS (2234088-BS1)					Prepared: 08/18/22 Analyzed: 08/22/22				
Chloride	245	20.0	250		97.8	90-110			
Matrix Spike (2234088-MS1)					Source: E208102-21		Prepared: 08/18/22 Analyzed: 08/22/22		
Chloride	251	20.0	250	ND	100	80-120			
Matrix Spike Dup (2234088-MSD1)					Source: E208102-21		Prepared: 08/18/22 Analyzed: 08/22/22		
Chloride	252	20.0	250	ND	101	80-120	0.139	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 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/24/22 09:41

- 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

<b>Client:</b> Pima Environmental Services <b>Project:</b> Kettle Juice 19 Feb 3 <b>Project Manager:</b> Tom Bynum <b>Address:</b> 5614 N. Lovington Hwy. <b>City, State, Zip:</b> Hobbs, NM, 88240 <b>Phone:</b> 580-748-1613 <b>Email:</b> tom@pimaoil.com <b>Report due by:</b>					<b>Bill To</b> <b>Attention:</b> Devon <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project #</b> 185					<b>Lab Use Only</b> <b>Lab WO#</b> E208102 <b>Job Number</b> 01058-0007 <b>Analysis and Method</b> DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					<b>TAT</b> 1D 2D 3D Standard X				<b>EPA Program</b> CWA SDWA RCRA State NM CO UT AZ TX	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
8:00	8/11/22	S		S.1 3'	1							X								
8:05				S.2 3'	2															
8:10				S.2 4'	3															
8:15				S.3 3'	4															
8:20				S.3 4'	5															
8:25				S.4 3'	6															
8:30				S.4 4'	7															
8:35				S.4 5'	8															
8:40				S.5 3'	9															
8:45				S.5 4'	10															
<b>Additional Instructions:</b> Billing # 21055918 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. <b>Sampled by: Josh Dougless</b> 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) <b>Andrea Sanders</b> Date <b>8/17/22</b> Time <b>2:30 P</b>					Received by: (Signature) <b>Josh Dougless</b> Date <b>8-17-22</b> Time <b>3:00 P</b>					Lab Use Only Received on ice: <b>(Y) N</b> T1 T2 T3 AVG Temp °C <b>4</b>										
Relinquished by: (Signature) <b>Josh Dougless</b> Date <b>8-17-22</b> Time <b>4:15 P</b>					Received by: (Signature) <b>Josh Dougless</b> Date <b>8/18/22</b> Time <b>10:00</b>															
Relinquished by: (Signature) _____ Date _____ Time _____					Received by: (Signature) _____ Date _____ Time _____															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

## Project Information

## Chain of Custody

Page 2 of 3

<b>Client:</b> Pima Environmental Services <b>Project:</b> Beetle Juice 19 Feb 3 <b>Project Manager:</b> Tom Bynum <b>Address:</b> 5614 N. Lovington Hwy. <b>City, State, Zip:</b> Hobbs, NM, 88240 <b>Phone:</b> 580-748-1613 <b>Email:</b> tom@pimaoil.com <b>Report due by:</b>					<b>Bill To</b> <b>Attention:</b> Devon <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project #</b> 185					<b>Lab Use Only</b> <b>Lab WO#</b> E208102 <b>Job Number</b> 00580007 <b>Analysis and Method</b> DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					<b>TAT</b> 1D 2D 3D Standard Y State NM CO UT AZ TX X				<b>EPA Program</b> CWA SDWA RCRA	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
8:50	8/11/22	S		S.5 5'	11							X								
8:55				S.6 1'	12															
9:00				S.7 1'	13															
9:05				S.8 1'	14															
9:10				SW 1	15															
9:15				SW 2	16															
9:20				SW 3	17															
9:25				SW 4	18															
9:30				SW 5	19															
9:35				SW 6	20															
<b>Additional Instructions:</b> Billing # 21055918																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C 4												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

## Project Information

## Chain of Custody

Page 3 of 3

<b>Client:</b> Pima Environmental Services <b>Project:</b> Beetle Juice 19 Feb 3 <b>Project Manager:</b> Tom Bynum <b>Address:</b> 5614 N. Lovington Hwy. <b>City, State, Zip:</b> Hobbs, NM, 88240 <b>Phone:</b> 580-748-1613 <b>Email:</b> tom@pimaoil.com <b>Report due by:</b>					<b>Bill To</b> <b>Attention:</b> Devon <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project #</b> 185					<b>Lab Use Only</b> <b>Lab WO#</b> E208102 <b>Job Number</b> 0058-0007 <b>Analysis and Method</b>					<b>TAT</b> <b>1D</b> <b>2D</b> <b>3D</b> <b>Standard</b> X				<b>EPA Program</b> <b>CWA</b> <b>SDWA</b>	
														<b>RCRA</b>						
														<b>State</b> <b>NM</b> <b>CO</b> <b>UT</b> <b>AZ</b> <b>TX</b>						
														<b>Remarks</b>						
<b>Time Sampled</b>	<b>Date Sampled</b>	<b>Matrix</b>	<b>No. of Containers</b>	<b>Sample ID</b>	<b>Lab Number</b>	<b>DRO/DRO by 8015</b>	<b>GRO/DRO by 8015</b>	<b>BTEX by 8021</b>	<b>VOC by 8260</b>	<b>Metals 6010</b>	<b>Chloride 300.0</b>	<b>BGDOC NM</b>	<b>BGDOC TX</b>							
4:40	8/11/22	S		SW 7	21							X								
9:45				SW 8	22															
9:50				SW 9	23															
9:55				SW 10	24															
10:00				SW 11	25															
10:05				SW 12	26															
10:10				SW 13	27															
10:15				SW 14	28															
10:20				BG 1	29															
10:25				BG 2	30															
<b>Additional Instructions:</b>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																				
<b>Relinquished by: (Signature)</b> [Signature]					<b>Date</b> 8/17/22		<b>Time</b> 2:30P		<b>Received by: (Signature)</b> [Signature]					<b>Date</b> 8/17/22		<b>Time</b> 3:30				
<b>Relinquished by: (Signature)</b> [Signature]					<b>Date</b> 8-17-22		<b>Time</b> 4:15		<b>Received by: (Signature)</b> [Signature]					<b>Date</b> 8/18/22		<b>Time</b> 10:00				
<b>Relinquished by: (Signature)</b> [Signature]					<b>Date</b> 8-17-22		<b>Time</b> 4:15		<b>Received by: (Signature)</b> [Signature]					<b>Date</b> 8/18/22		<b>Time</b> 10:00				
<b>Lab Use Only</b> <b>Received on ice:</b> <input checked="" type="radio"/> Y <input type="radio"/> N <b>T1</b> <b>T2</b> <b>T3</b> <b>AVG Temp °C</b> 4																				
<b>Sample Matrix:</b> S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
<b>Container Type:</b> g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
<b>Note:</b> 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: 8/18/2022 11:00:07AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	08/18/22 10:00	Work Order ID:	E208102
Phone:	(575) 631-6977	Date Logged In:	08/17/22 16:46	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	08/24/22 17:00 (4 day TAT)		

**Chain of Custody (COC)**

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

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

**Sample Cooler**

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

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

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

**Sample Container**

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

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

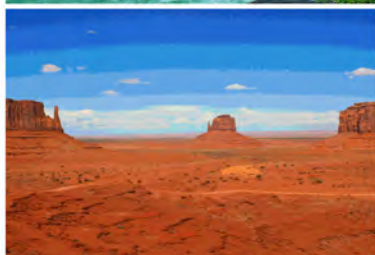
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Beetle Juice 19 Fed 3

Work Order: E211104

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/21/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 11/21/22

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Beetle Juice 19 Fed 3  
Workorder: E211104  
Date Received: 11/18/2022 6:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2022 6:30:00AM, under the Project Name: Beetle Juice 19 Fed 3.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto: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](mailto: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](http://www.envirotech-inc.com)

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 07:24

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW21	E211104-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW22	E211104-02A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW23	E211104-03A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW24	E211104-04A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW25	E211104-05A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW26	E211104-06A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW27	E211104-07A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW28	E211104-08A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW29	E211104-09A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW30	E211104-10A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW31	E211104-11A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW32	E211104-12A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS1	E211104-13A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS2	E211104-14A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS3	E211104-15A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS4	E211104-16A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS5	E211104-17A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS6	E211104-18A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS7	E211104-19A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS8	E211104-20A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CSW21

## E211104-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2247078	
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2247078	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.1 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2247082	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2247095	
Chloride	ND	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CSW22

## E211104-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.2 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CSW23

## E211104-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.7 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	39.0	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CSW24

## E211104-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.5 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CSW25

## E211104-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.5 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CSW26

## E211104-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.2 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

CSW27

E211104-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.9 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CSW28

## E211104-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.7 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CSW29

## E211104-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CSW30

## E211104-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CSW31

## E211104-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.5 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		76.6 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CSW32

## E211104-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		79.9 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		83.1 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CS1

## E211104-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.6 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		84.7 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CS2

## E211104-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.0 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		86.6 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CS3

## E211104-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.1 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		82.7 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CS4

## E211104-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.5 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		81.5 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CS5

## E211104-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.5 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		82.8 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CS6

## E211104-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		77.1 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		82.2 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

CS7

E211104-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.3 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>		81.8 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 7:24:04AM

## CS8

## E211104-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		79.2 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247082
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		81.7 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 7:24:04AM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2247078-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.54		8.00		107	70-130			

## LCS (2247078-BS1)

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

Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	4.99	0.0250	5.00		99.8	70-130			
Toluene	5.15	0.0250	5.00		103	70-130			
o-Xylene	5.12	0.0250	5.00		102	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.60		8.00		108	70-130			

## LCS Dup (2247078-BSD1)

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

Benzene	4.96	0.0250	5.00		99.3	70-130	3.31	20	
Ethylbenzene	4.83	0.0250	5.00		96.7	70-130	3.20	20	
Toluene	4.98	0.0250	5.00		99.7	70-130	3.28	20	
o-Xylene	4.95	0.0250	5.00		99.1	70-130	3.22	20	
p,m-Xylene	9.79	0.0500	10.0		97.9	70-130	3.17	20	
Total Xylenes	14.7	0.0250	15.0		98.3	70-130	3.19	20	
Surrogate: 4-Bromochlorobenzene-PID	8.58		8.00		107	70-130			





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 7:24:04AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2247078-BLK1)

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

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

## LCS (2247078-BS2)

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

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0		94.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.1	70-130			

## LCS Dup (2247078-BSD2)

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

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.7	70-130	2.01	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 7:24:04AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247082-BLK1) Prepared: 11/17/22 Analyzed: 11/18/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.2		50.0		84.4	50-200			

LCS (2247082-BS1) Prepared: 11/17/22 Analyzed: 11/18/22

Diesel Range Organics (C10-C28)	219	25.0	250		87.6	38-132			
Surrogate: n-Nonane	42.0		50.0		84.0	50-200			

Matrix Spike (2247082-MS1) Source: E211104-11 Prepared: 11/17/22 Analyzed: 11/18/22

Diesel Range Organics (C10-C28)	216	25.0	250	ND	86.3	38-132			
Surrogate: n-Nonane	41.9		50.0		83.9	50-200			

Matrix Spike Dup (2247082-MSD1) Source: E211104-11 Prepared: 11/17/22 Analyzed: 11/18/22

Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.8	38-132	1.68	20	
Surrogate: n-Nonane	42.1		50.0		84.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 7:24:04AM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247095-BLK1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	ND	20.0							
LCS (2247095-BS1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	256	20.0	250		102	90-110			
LCS Dup (2247095-BSD1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	257	20.0	250		103	90-110	0.326	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 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 07:24

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

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

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

Client: <u>PIMA Environmental</u>					Bill To					Lab Use Only					TAT				EPA Program											
Project: <u>Beele Juice 19 Feb 3</u>					Attention: _____					Lab WO# <u>E21104</u>					Job Number <u>0058-0007</u>					1D	2D	3D	Standard	CWA	SDWA					
Project Manager: <u>Tom Bynum</u>					Address: _____					Analysis and Method																				
Address: <u>5614 N. Lovington Hwy</u>					City, State, Zip _____																									
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone: _____					DRO/DRO by 8015															State					
Phone: <u>580-748-1613</u>					Email: _____																				NM					CO
Email: <u>tom@pima.oil.com</u>					Project# <u>1-147</u>					BGDOC - NM															Remarks					
Report due by: _____																									TCEQ 1005 TX-TPH					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																									
1:40	11/16/22	S	1	CSW21	1																									
1:45				CSW22	2																									
1:50				CSW23	3																									
1:55				CSW24	4																									
2:00				CSW25	5																									
2:05				CSW26	6																									
2:10				CSW27	7																									
2:15				CSW28	8																									
2:20				CSW29	9																									
2:25				CSW30	10																									
Additional Instructions: <u>Billing# 20948131</u>																														
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Scott H.</u>																														
Relinquished by: (Signature) <u>Andrea Sanders</u>													Received by: (Signature) <u>Michelle R. Gyp</u>																	
Relinquished by: (Signature) <u>Michelle R. Gyp</u>													Received by: (Signature) <u>Carla Chast</u>																	
Relinquished by: (Signature) _____													Received by: (Signature) _____																	
Date <u>11/17/22</u> Time <u>1337</u>													Date <u>11-17-22</u> Time <u>1337</u>																	
Date <u>11-17-22</u> Time <u>1620</u>													Date <u>11/18/22</u> Time <u>16:30</u>																	
Date _____ Time _____													Date _____ Time _____																	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____													Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																														

Released to Imaging: 3/8/2024 3:33:50 PM

Client: <u>Pima Environmental</u>		Bill To		Lab Use Only		TAT			EPA Program					
Project: <u>Beele Juice 19 Fed 3</u>		Attention:		Lab WO# <u>E2111 04</u>		Job Number <u>01058-0007</u>			1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>		Address:		Analysis and Method					RCRA					
Address: <u>5614 N. Irvington Hwy</u>		City, State, Zip							State					
City, State, Zip: <u>48005, NM 88240</u>		Phone:							NM CO UT AZ TX					
Phone: <u>580-748-1613</u>		Email:							X					
Email: <u>tom@pimaoil.com</u>		Project # <u>1-147</u>												
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	TCEQ 1005 TX-TPH	Remarks
2:30	11/16/22	S	1	CSW 31	11							X		
2:35				CSW 32	12									
2:40				CS 1	13									
2:45				CS 2	14									
2:50				CS 3	15									
2:55				CS 4	16									
3:00				CS 5	17									
3:05				CS 6	18									
3:10				CS 7	19									
3:15				CS 8	20									

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: Scott H

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

Relinquished by: (Signature) <u>Alexandra Sanders</u>	Date <u>11/17/22</u>	Time <u>1337</u>	Received by: (Signature) <u>Caroline Gungah</u>	Date <u>11/17-22</u>	Time <u>1337</u>	Lab Use Only Received on ice: <u>N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle K. Gub</u>	Date <u>11-17-22</u>	Time <u>1620</u>	Received by: (Signature) <u>Carla Ch...</u>	Date <u>11/18/22</u>	Time <u>6:30</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

Received by OCD: 10/2/2023 2:53:28 PM

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## Envirotech Analytical Laboratory

Printed: 11/18/2022 10:45:14AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:30	Work Order ID:	E211104
Phone:	(575) 631-6977	Date Logged In:	11/17/22 14:58	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Beetle Juice 19 Fed 3 has been separated into 8 reports.  
E211103/E211104/E211105/E211106/E211107/E211108/E211109/E211110. COC received with white out on time sampled by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? 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 Fed 3

Work Order: E211105

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/21/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 11/21/22



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: Beetle Juice 19 Fed 3  
Workorder: E211105  
Date Received: 11/18/2022 6:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2022 6:30:00AM, under the Project Name: Beetle Juice 19 Fed 3.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto: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](mailto: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](http://www.envirotech-inc.com)

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 10:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS9	E211105-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS10	E211105-02A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS11	E211105-03A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS12	E211105-04A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS13	E211105-05A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS14	E211105-06A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS15	E211105-07A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS16	E211105-08A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS17	E211105-09A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS18	E211105-10A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS19	E211105-11A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS20	E211105-12A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS21	E211105-13A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS22	E211105-14A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS23	E211105-15A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS24	E211105-16A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS25	E211105-17A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS26	E211105-18A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS27	E211105-19A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS28	E211105-20A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.





## Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Beetle Juice 19 Fed 3 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 11/21/2022 10:51:12AM
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## CS9

## E211105-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		101 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		115 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		102 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		101 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		115 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		102 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		104 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS10

## E211105-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	102 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS11

## E211105-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	102 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS12

## E211105-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	103 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS13

## E211105-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.4 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.4 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	106 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS14

## E211105-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	95.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.2 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	95.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.2 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	98.9 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS15

## E211105-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		100 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		100 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		103 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS16

## E211105-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		99.7 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		99.7 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		104 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS17

## E211105-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		101 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		100 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		101 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		100 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		104 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS18

## E211105-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	104 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS19

## E211105-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		101 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		101 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		101 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		101 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		103 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS20

## E211105-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	99.3 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS21

## E211105-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.8 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.8 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	100 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS22

## E211105-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	94.6 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	94.6 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	105 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS23

## E211105-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	105 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS24

## E211105-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.1 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.1 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	106 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS25

## E211105-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	105 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS26

## E211105-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.5 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.5 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	105 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

CS27

E211105-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.1 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.1 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	106 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 10:51:12AM

## CS28

## E211105-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		101 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		101 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		103 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247096
Chloride	ND	20.0	1	11/18/22	11/18/22	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	<b>Reported:</b> 11/21/2022 10:51:12AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

## Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2247079-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.566		0.500		113	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			

## LCS (2247079-BS1)

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

Benzene	2.44	0.0250	2.50		97.7	70-130			
Ethylbenzene	2.39	0.0250	2.50		95.7	70-130			
Toluene	2.42	0.0250	2.50		96.9	70-130			
o-Xylene	2.49	0.0250	2.50		99.6	70-130			
p,m-Xylene	4.96	0.0500	5.00		99.1	70-130			
Total Xylenes	7.45	0.0250	7.50		99.3	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.541		0.500		108	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			

## LCS Dup (2247079-BSD1)

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

Benzene	2.55	0.0250	2.50		102	70-130	4.35	23	
Ethylbenzene	2.51	0.0250	2.50		100	70-130	4.82	27	
Toluene	2.56	0.0250	2.50		103	70-130	5.62	24	
o-Xylene	2.62	0.0250	2.50		105	70-130	4.95	27	
p,m-Xylene	5.22	0.0500	5.00		104	70-130	5.10	27	
Total Xylenes	7.83	0.0250	7.50		104	70-130	5.05	27	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.569		0.500		114	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 10:51:12AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2247079-BLK1)

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

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.566		0.500		113	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			

## LCS (2247079-BS2)

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

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: Bromofluorobenzene	0.477		0.500		95.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.559		0.500		112	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

## LCS Dup (2247079-BSD2)

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

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0		97.8	70-130	1.72	20	
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.532		0.500		106	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 10:51:12AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247083-BLK1)					Prepared: 11/17/22 Analyzed: 11/18/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.4		50.0		103	50-200			

LCS (2247083-BS1)					Prepared: 11/17/22 Analyzed: 11/19/22				
Diesel Range Organics (C10-C28)	238	25.0	250		95.3	38-132			
Surrogate: n-Nonane	52.0		50.0		104	50-200			

Matrix Spike (2247083-MS1)					Source: E211105-04		Prepared: 11/17/22 Analyzed: 11/19/22		
Diesel Range Organics (C10-C28)	242	25.0	250	ND	97.0	38-132			
Surrogate: n-Nonane	49.5		50.0		98.9	50-200			

Matrix Spike Dup (2247083-MSD1)					Source: E211105-04		Prepared: 11/17/22 Analyzed: 11/19/22		
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.6	38-132	0.393	20	
Surrogate: n-Nonane	51.6		50.0		103	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 10:51:12AM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247096-BLK1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	ND	20.0							
LCS (2247096-BS1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	255	20.0	250		102	90-110			
LCS Dup (2247096-BSD1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	257	20.0	250		103	90-110	0.717	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 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 10:51

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

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

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



Client: <u>Pima Environmental</u>		Bill To		Lab Use Only		TAT				EPA Program					
Project: <u>Beele Juice 19 Feb 3</u>		Attention:		Lab WO# <u>E21105</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: <u>Tom Bynum</u>		Address:													
Address: <u>5614 N. Irvington Hwy</u>		City, State, Zip		Analysis and Method											
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:													
Phone: <u>580-748-1613</u>		Email:													
Email: <u>tom@pimaoil.com</u>		Project # <u>1-147</u>													
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	TCEQ 1005 TX-TPH	State	Remarks
3:20	11/16/22	S	1	CS9	1										
3:25				CS10	2										
3:30				CS11	3										
3:35				CS12	4										
3:40				CS13	5										
3:45				CS14	6										
3:50				CS15	7										
3:55				CS16	8										
4:00				CS17	9										
4:05				CS18	10										
Additional Instructions: <u>Billing # 20948131</u>															
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Scott H.</u>															
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.															
Relinquished by: (Signature) <u>Alondra Anderson</u>		Date <u>11/17/22</u>		Time <u>1337</u>		Received by: (Signature) <u>Michelle Gyle</u>		Date <u>11-17-22</u>		Time <u>1337</u>		Lab Use Only			
Relinquished by: (Signature) <u>Michelle Gyle</u>		Date <u>11-17-22</u>		Time <u>1620</u>		Received by: (Signature) <u>Scott H.</u>		Date <u>11/18/22</u>		Time <u>6:30</u>		Received on ice: <u>Y</u> N			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3			
AVG Temp °C <u>4</u>															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other															
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															

Released to Imaging: 3/8/2024 3:33:50 PM

Received by OCD: 10/2/2023 2:53:28 PM

Client: <u>Pima Environmental</u>		Bill To		Lab Use Only		TAT			EPA Program				
Project: <u>Beeble Juice 19 Feb 3</u>		Attention:		Lab WO# <u>E211105</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Pynum</u>		Address:											
Address: <u>5614 N Livingston Hwy</u>		City, State, Zip		Analysis and Method									
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0				
Phone: <u>580-748-1613</u>		Email:											
Email: <u>tom@pimadil.com</u>		Project # <u>1447</u>											
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
4:10	11/16/22	S	1	CS 19	11									X		
4:15				CS 20	12											
4:20				CS 21	13											
4:25				CS 22	14											
4:30				CS 23	15											
4:35				CS 24	16											
4:40				CS 25	17											
4:45				CS 26	18											
4:50				CS 27	19											
4:55				CS 28	20											

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.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature) <u>Alexander Anders</u>		Date <u>11/17/22</u>		Time <u>1337</u>		Received by: (Signature) <u>Michelle Gyle</u>		Date <u>11-17-22</u>		Time <u>1337</u>		Lab Use Only			
Relinquished by: (Signature) <u>Michelle Gyle</u>		Date <u>11-17-22</u>		Time <u>1620</u>		Received by: (Signature) <u>Michelle Gyle</u>		Date <u>11/18/22</u>		Time <u>16:30</u>		Received on ice: <u>(Y)</u> N			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____			
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.



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## Envirotech Analytical Laboratory

Printed: 11/18/2022 10:48:37AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:30	Work Order ID:	E211105
Phone:	(575) 631-6977	Date Logged In:	11/17/22 15:05	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Beetle Juice 19 Fed 3 has been separated into 8 reports.  
E211103/E211104/E211105/E211106/E211107/E211108/E211109/E211110. COC received with white out on time sampled by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

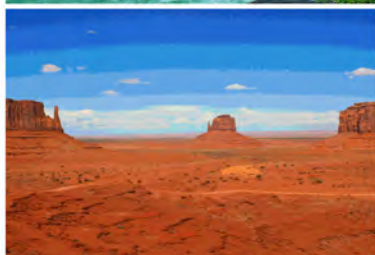
Signature of client authorizing changes to the COC or sample disposition.

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 Fed 3

Work Order: E211107

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/21/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 11/21/22



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: Beetle Juice 19 Fed 3  
Workorder: E211107  
Date Received: 11/18/2022 6:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2022 6:30:00AM, under the Project Name: Beetle Juice 19 Fed 3.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3 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](mailto:whinchman@envirotech-inc.com)

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**Alexa Michaels**  
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[ljjarboe@envirotech-inc.com](mailto: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](http://www.envirotech-inc.com)



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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 11:08

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS49	E211107-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS50	E211107-02A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS51	E211107-03A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS52	E211107-04A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS53	E211107-05A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS54	E211107-06A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS55	E211107-07A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS56	E211107-08A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS57	E211107-09A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS58	E211107-10A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS59	E211107-11A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS60	E211107-12A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS61	E211107-13A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS62	E211107-14A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS63	E211107-15A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS64	E211107-16A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS65	E211107-17A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS66	E211107-18A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS67	E211107-19A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS68	E211107-20A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS49

## E211107-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2247103	
Benzene	ND	0.0250	1	11/18/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/18/22	
Toluene	ND	0.0250	1	11/18/22	11/18/22	
o-Xylene	ND	0.0250	1	11/18/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	104 %	70-130		11/18/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2247103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.4 %	70-130		11/18/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2247085	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: KL		Batch: 2247100	
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS50

## E211107-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.1 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS51

## E211107-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.1 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS52

## E211107-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.5 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	29.5	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS53

## E211107-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.2 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

CS54

E211107-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.4 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

CS55

E211107-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		79.9 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

CS56

E211107-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.5 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

CS57

E211107-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2247103	
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2247103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.1 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2247085	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2247100	
Chloride	ND	20.0	1	11/18/22	11/19/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS58

## E211107-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.8 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS59

## E211107-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.7 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS60

## E211107-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.4 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS61

## E211107-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.0 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	20.7	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS62

## E211107-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.6 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS63

## E211107-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.0 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS64

## E211107-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.6 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS65

## E211107-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.1 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS66

## E211107-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		78.6 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS67

## E211107-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.6 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		98.1 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 11:08:13AM

## CS68

## E211107-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.3 %	70-130	11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247085
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 11:08:13AM

Volatile Organics by EPA 8021B

Analyst: IY

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

Blank (2247103-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.44		8.00		106	70-130			

LCS (2247103-BS1)

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

Benzene	5.82	0.0250	5.00		116	70-130			
Ethylbenzene	4.52	0.0250	5.00		90.5	70-130			
Toluene	4.86	0.0250	5.00		97.3	70-130			
o-Xylene	4.60	0.0250	5.00		92.1	70-130			
p,m-Xylene	9.21	0.0500	10.0		92.1	70-130			
Total Xylenes	13.8	0.0250	15.0		92.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.58		8.00		107	70-130			

LCS Dup (2247103-BSD1)

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

Benzene	5.81	0.0250	5.00		116	70-130	0.307	20	
Ethylbenzene	4.51	0.0250	5.00		90.2	70-130	0.349	20	
Toluene	4.84	0.0250	5.00		96.8	70-130	0.515	20	
o-Xylene	4.59	0.0250	5.00		91.9	70-130	0.232	20	
p,m-Xylene	9.18	0.0500	10.0		91.8	70-130	0.398	20	
Total Xylenes	13.8	0.0250	15.0		91.8	70-130	0.343	20	
Surrogate: 4-Bromochlorobenzene-PID	8.23		8.00		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 11:08:13AM

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 (2247103-BLK1) Prepared: 11/18/22 Analyzed: 11/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.52		8.00		81.5	70-130			

LCS (2247103-BS2) Prepared: 11/18/22 Analyzed: 11/18/22

Gasoline Range Organics (C6-C10)	53.1	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.51		8.00		81.3	70-130			

LCS Dup (2247103-BSD2) Prepared: 11/18/22 Analyzed: 11/18/22

Gasoline Range Organics (C6-C10)	55.7	20.0	50.0		111	70-130	4.84	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.74		8.00		84.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 11:08:13AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247085-BLK1)					Prepared: 11/17/22 Analyzed: 11/18/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.0		50.0		108	50-200			

LCS (2247085-BS1)					Prepared: 11/17/22 Analyzed: 11/18/22				
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	50.5		50.0		101	50-200			

Matrix Spike (2247085-MS1)					Source: E211107-19		Prepared: 11/17/22 Analyzed: 11/18/22		
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	51.6		50.0		103	50-200			

Matrix Spike Dup (2247085-MSD1)					Source: E211107-19		Prepared: 11/17/22 Analyzed: 11/18/22		
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	4.02	20	
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 11:08:13AM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247100-BLK1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	ND	20.0							
LCS (2247100-BS1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	254	20.0	250		102	90-110			
LCS Dup (2247100-BSD1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	258	20.0	250		103	90-110	1.19	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 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 11:08

- 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.



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.

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## Envirotech Analytical Laboratory

Printed: 11/18/2022 10:56:31AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:30	Work Order ID:	E211107
Phone:	(575) 631-6977	Date Logged In:	11/17/22 15:08	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Beetle Juice 19 Fed 3 has been separated into 8 reports.  
E211103/E211104/E211105/E211106/E211107/E211108/E211109/E211110. COC received with white out on time sampled by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? 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 Fed 3

Work Order: E211110

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/21/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 11/21/22



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: Beetle Juice 19 Fed 3  
Workorder: E211110  
Date Received: 11/18/2022 6:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2022 6:30:00AM, under the Project Name: Beetle Juice 19 Fed 3.

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

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

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

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

Respectfully,

**Walter Hinchman**  
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[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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**Alexa Michaels**  
Sample Custody Officer  
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**Rayny Hagan**  
Technical Representative  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 12:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS109	E211110-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS110	E211110-02A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS111	E211110-03A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS112	E211110-04A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS113	E211110-05A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS114	E211110-06A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS115	E211110-07A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS116	E211110-08A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS117	E211110-09A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS118	E211110-10A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS119	E211110-11A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS120	E211110-12A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS121	E211110-13A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS122	E211110-14A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS123	E211110-15A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS124	E211110-16A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.



## Sample Data

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

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

**Reported:**  
11/21/2022 12:55:39PM

## CS109

## E211110-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247110
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
Surrogate: n-Nonane		101 %	50-200	11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:55:39PM

## CS110

## E211110-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.9 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247110
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
<i>Surrogate: n-Nonane</i>						
		99.4 %	50-200	11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:55:39PM

## CS111

## E211110-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.9 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247110
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:55:39PM

## CS112

## E211110-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.9 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247110
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 12:55:39PM

## CS113

## E211110-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.7 %	70-130		11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247110
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:55:39PM

## CS114

## E211110-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.8 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247110
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:55:39PM

## CS115

## E211110-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2247106	
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2247106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.7 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2247110	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: KL		Batch: 2247115	
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:55:39PM

## CS116

## E211110-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
Surrogate: 4-Bromochlorobenzene-PID	99.2 %	70-130		11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.8 %	70-130		11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247110
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
Surrogate: n-Nonane	103 %	50-200		11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:55:39PM

CS117

E211110-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.9 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247110
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
<i>Surrogate: n-Nonane</i>						
		97.3 %	50-200	11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:55:39PM

## CS118

## E211110-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.9 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247110
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
<i>Surrogate: n-Nonane</i>						
		98.2 %	50-200	11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:55:39PM

## CS119

## E211110-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
Surrogate: 4-Bromochlorobenzene-PID	99.9 %	70-130		11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.7 %	70-130		11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247110
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
Surrogate: n-Nonane	105 %	50-200		11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 12:55:39PM

## CS120

## E211110-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.2 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247110
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
Surrogate: n-Nonane		106 %	50-200	11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:55:39PM

## CS121

## E211110-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247110
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:55:39PM

## CS122

## E211110-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.5 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247110
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Beetle Juice 19 Fed 3 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/21/2022 12:55:39PM
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CS123

E211110-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.5 %	70-130		11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247110
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:55:39PM

## CS124

## E211110-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.9 %	70-130	11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247110
Diesel Range Organics (C10-C28)	ND	25.0	1	11/18/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/18/22	11/21/22	
<i>Surrogate: n-Nonane</i>						
		98.6 %	50-200	11/18/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:55:39PM

Volatile Organics by EPA 8021B

Analyst: RKS

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

Blank (2247106-BLK1) Prepared: 11/18/22 Analyzed: 11/20/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			

LCS (2247106-BS1) Prepared: 11/18/22 Analyzed: 11/20/22

Benzene	5.27	0.0250	5.00		105	70-130			
Ethylbenzene	5.14	0.0250	5.00		103	70-130			
Toluene	5.30	0.0250	5.00		106	70-130			
o-Xylene	5.25	0.0250	5.00		105	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.7	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.22		8.00		103	70-130			

LCS Dup (2247106-BSD1) Prepared: 11/18/22 Analyzed: 11/20/22

Benzene	5.27	0.0250	5.00		105	70-130	0.132	20	
Ethylbenzene	5.13	0.0250	5.00		103	70-130	0.122	20	
Toluene	5.30	0.0250	5.00		106	70-130	0.151	20	
o-Xylene	5.24	0.0250	5.00		105	70-130	0.103	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	0.113	20	
Total Xylenes	15.6	0.0250	15.0		104	70-130	0.110	20	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:55:39PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247106-BLK1)					Prepared: 11/18/22 Analyzed: 11/20/22				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	70-130			

LCS (2247106-BS2)					Prepared: 11/18/22 Analyzed: 11/20/22				
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

LCS Dup (2247106-BSD2)					Prepared: 11/18/22 Analyzed: 11/20/22				
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.1	70-130	2.34	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.7	70-130			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:55:39PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247110-BLK1) Prepared: 11/18/22 Analyzed: 11/20/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.1		50.0		104	50-200			

LCS (2247110-BS1) Prepared: 11/18/22 Analyzed: 11/20/22

Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			

Matrix Spike (2247110-MS1) Source: E211110-06 Prepared: 11/18/22 Analyzed: 11/20/22

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	52.4		50.0		105	50-200			

Matrix Spike Dup (2247110-MSD1) Source: E211110-06 Prepared: 11/18/22 Analyzed: 11/21/22

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	0.988	20	
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:55:39PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2247115-BLK1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	ND	20.0							
LCS (2247115-BS1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2247115-MS1)					Source: E211110-01		Prepared: 11/18/22 Analyzed: 11/19/22		
Chloride	267	20.0	250	ND	107	80-120			
Matrix Spike Dup (2247115-MSD1)					Source: E211110-01		Prepared: 11/18/22 Analyzed: 11/19/22		
Chloride	265	20.0	250	ND	106	80-120	0.601	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 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 12:55

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

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

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

Client: <u>Dima Environmental</u> Project: <u>Beetle Juice 19 Feb 3</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy</u> City, State, Zip: <u>Hobbs, NM 88240</u> Phone: <u>580-748-1615</u> Email: <u>tom@pimaoil.com</u> Report due by:	Bill To Attention: Address: City, State, Zip Phone: Email: <u>PN 1-147</u>	Lab Use Only		TAT				EPA Program		
		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA	
		<u>E211110</u>	<u>01058-0001</u>	<u>X</u>						
		Analysis and Method						RCRA		
								State		
						NM	CO	UT	AZ	TX
						<u>X</u>				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
11:50	11/16/22	S	1	CS109	1							X		
11:55				CS110	2									
12:00				CS111	3									
12:05				CS112	4									
12:10				CS113	5									
12:15				CS114	6									
12:20				CS115	7									
12:25				CS116	8									
12:30				CS117	9									
12:35				CS118	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.				Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature) <u>Michelle Gonzales</u>		Date <u>11/17/22</u>		Time <u>1337</u>		Received by: (Signature) <u>Michelle Gonzales</u>		Date <u>11-17-22</u>		Time <u>1337</u>		Lab Use Only Received on ice: <u>Q N</u>	
Relinquished by: (Signature) <u>Michelle Gonzales</u>		Date <u>11-17-22</u>		Time <u>1620</u>		Received by: (Signature) <u>Michelle Gonzales</u>		Date <u>11/18/22</u>		Time <u>10:30</u>		T1 T2 T3	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA				AVG Temp °C <u>4</u>					

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.

Lab Use Only				TAT				EPA Program				
Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA			
E21110		01057-0007		X								
Analysis and Method									RCRA			
O by 8015	O by 8015	8021	3260	3010	300.0	NIM	TX-TPH	State				
								NM	CO	UT	AZ	TX
								X				



## Envirotech Analytical Laboratory

Printed: 11/18/2022 11:50:50AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:30	Work Order ID:	E211110
Phone:	(575) 631-6977	Date Logged In:	11/17/22 15:14	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Beetle Juice 19 Fed 3 has been separated into 8 reports.  
E211103/E211104/E211105/E211106/E211107/E211108/E211109/E211110. COC received with white out on time sampled by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

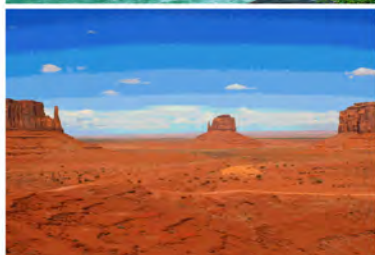
Signature of client authorizing changes to the COC or sample disposition.

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 Fed 3

Work Order: E211103

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/21/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 11/21/22



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: Beetle Juice 19 Fed 3  
Workorder: E211103  
Date Received: 11/18/2022 6:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2022 6:30:00AM, under the Project Name: Beetle Juice 19 Fed 3.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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**Alexa Michaels**  
Sample Custody Officer  
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**Rayny Hagan**  
Technical Representative  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 12:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW1	E211103-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW2	E211103-02A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW3	E211103-03A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW4	E211103-04A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW5	E211103-05A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW6	E211103-06A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW7	E211103-07A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW8	E211103-08A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW9	E211103-09A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW10	E211103-10A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW11	E211103-11A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW12	E211103-12A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW13	E211103-13A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW14	E211103-14A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW15	E211103-15A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW16	E211103-16A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW17	E211103-17A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW18	E211103-18A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW19	E211103-19A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW20	E211103-20A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW1

## E211103-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	100 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	100 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	105 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	22.3	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW2

## E211103-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	104 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW3

## E211103-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	109 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	21.0	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW4

## E211103-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	99.3 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW5

## E211103-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	102 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW6

## E211103-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.2 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.2 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	105 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	147	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW7

## E211103-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.3 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	103 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.3 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	103 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	102 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	106	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW8

## E211103-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.4 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.4 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	102 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW9

## E211103-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	96.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	96.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	105 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW10

## E211103-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.7 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.7 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	103 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	ND	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW11

## E211103-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	97.5 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	97.5 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	104 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW12

## E211103-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.5 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.5 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	106 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	20.8	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW13

## E211103-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		99.6 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		99.6 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		104 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	113	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW14

## E211103-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.7 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.7 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	105 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	22.4	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW15

## E211103-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	115 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	115 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	107 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW16

## E211103-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	84.3 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW17

## E211103-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.7 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.7 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	82.3 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	ND	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW18

## E211103-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	83.5 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	30.6	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW19

## E211103-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	79.7 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:28:39PM

## CSW20

## E211103-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	83.1 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	ND	20.0	1	11/18/22	11/18/22	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:28:39PM

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2247077-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

## LCS (2247077-BS1)

Prepared: 11/17/22 Analyzed: 11/21/22

Benzene	2.31	0.0250	2.50		92.6	70-130			
Ethylbenzene	2.38	0.0250	2.50		95.1	70-130			
Toluene	2.32	0.0250	2.50		92.9	70-130			
o-Xylene	2.26	0.0250	2.50		90.2	70-130			
p,m-Xylene	4.49	0.0500	5.00		89.7	70-130			
Total Xylenes	6.74	0.0250	7.50		89.9	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

## LCS Dup (2247077-BSD1)

Prepared: 11/17/22 Analyzed: 11/21/22

Benzene	2.34	0.0250	2.50		93.4	70-130	0.903	23	
Ethylbenzene	2.42	0.0250	2.50		96.8	70-130	1.86	27	
Toluene	2.38	0.0250	2.50		95.2	70-130	2.40	24	
o-Xylene	2.29	0.0250	2.50		91.5	70-130	1.45	27	
p,m-Xylene	4.56	0.0500	5.00		91.1	70-130	1.50	27	
Total Xylenes	6.84	0.0250	7.50		91.2	70-130	1.49	27	
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:28:39PM

## 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 (2247077-BLK1)

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

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

## LCS (2247077-BS2)

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

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

## LCS Dup (2247077-BSD2)

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

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0		99.7	70-130	5.19	20	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:28:39PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247075-BLK1)					Prepared: 11/17/22 Analyzed: 11/18/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.2		50.0		86.3	50-200			

LCS (2247075-BS1)					Prepared: 11/17/22 Analyzed: 11/18/22				
Diesel Range Organics (C10-C28)	216	25.0	250		86.3	38-132			
Surrogate: n-Nonane	42.5		50.0		85.1	50-200			

Matrix Spike (2247075-MS1)					Source: E211103-18		Prepared: 11/17/22 Analyzed: 11/18/22		
Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.7	38-132			
Surrogate: n-Nonane	41.8		50.0		83.5	50-200			

Matrix Spike Dup (2247075-MSD1)					Source: E211103-18		Prepared: 11/17/22 Analyzed: 11/18/22		
Diesel Range Organics (C10-C28)	208	25.0	250	ND	83.0	38-132	5.48	20	
Surrogate: n-Nonane	42.4		50.0		84.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:28:39PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2247094-BLK1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	ND	20.0							
LCS (2247094-BS1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	246	20.0	250		98.3	90-110			
LCS Dup (2247094-BSD1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	250	20.0	250		100	90-110	1.86	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 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 12:28

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

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

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



Released to Imaging: 3/8/2024 3:33:50 PM

Received by OCD: 10/2/2023 2:53:28 PM

Client: <u>Pima Environmental</u>	Bill To	Lab Use Only		TAT			EPA Program		
Project: <u>Beetle Juice 19 Feb 3</u>	Attention: <u>Devon</u>	Lab WO# <u>E211103</u>	Job Number <u>01058-0007</u>	1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>TOM BYNUM</u>	Address:	Analysis and Method						RCRA	
Address <u>5614 N Lovington Hwy</u>	City, State, Zip	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8250	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH
City, State, Zip <u>Hobbs, NM, 88240</u>	Phone:	State							
Phone: <u>580-748-1613</u>	Email:	NM	CO	UT	AZ	TX			
Email: <u>TOM @ pimaail.com</u>	Project# <u>1-147</u>	Remarks							
Report due by:									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8250	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
12:00	11/16/22	S	1	CSW1	1							X		
12:05				CSW2	2									
12:10				CSW3	3									
12:15				CSW4	4									
12:20				CSW5	5									
12:25				CSW6	6									
12:30				CSW7	7									
12:35				CSW8	8									
12:40				CSW9	9									
12:45				CSW10	10									

Additional Instructions: <u>Billing# 20948131</u>					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.					
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature) <u>Wanda Sanders</u>	Date <u>11/17/22</u>	Time <u>1337</u>	Received by: (Signature) <u>Michelle Cyp</u>	Date <u>11-17-22</u>	Time <u>1337</u>
Relinquished by: (Signature) <u>Michelle Cyp</u>	Date <u>11-17-22</u>	Time <u>1620</u>	Received by: (Signature) <u>Carla Chat</u>	Date <u>11/18/22</u>	Time <u>4:30</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other			Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.					

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Client: <u>Pima Environmental</u>		Bill To		Lab Use Only		TAT			EPA Program				
Project: <u>Beele Juice 19 Feb 3</u>		Attention:		Lab WO# <u>E211103</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>		Address:						<input checked="" type="checkbox"/>					
Address: <u>51614 N. Irvington Hwy</u>		City, State, Zip						Analysis and Method					
City, State, Zip: <u>Hobbs, NM, 88240</u>		Phone:						RCRA					
Phone: <u>505-748-1163</u>		Email:						State					
Email: <u>tom@pimadil.com</u>		Project # <u>1-147</u>						NM CO UT AZ TX					
Report due by:								<input checked="" type="checkbox"/>					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC - NM	TCEQ 1005 TX-TPH	Remarks
12:50	11/16/22	S	1	CSW11	11							X		
12:55				CSW12	12									
1:00				CSW13	13									
1:05				CSW14	14									
1:10				CSW15	15									
1:15				CSW16	16									
1:20				CSW17	17									
1:25				CSW18	18									
1:30				CSW19	19									
1:35				CSW20	20									

Additional Instructions: <u>Billing# 20948131</u>					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.					
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature) <u>Alexandra Sander</u>		Date <u>11/17/22</u>		Time <u>1337</u>	
Relinquished by: (Signature) <u>Michelle Cupules</u>		Date <u>11-17-22</u>		Time <u>1620</u>	
Relinquished by: (Signature)		Date		Time	
Received by: (Signature) <u>Michelle Cupules</u>		Date <u>11-17-22</u>		Time <u>1337</u>	
Received by: (Signature) <u>Carla Chate</u>		Date <u>11/18/22</u>		Time <u>16:30</u>	
Received by: (Signature)		Date		Time	
Lab Use Only					
Received on ice: <input checked="" type="checkbox"/> N					
T1 T2 T3					
AVG Temp °C <u>4</u>					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other					
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.					

## Envirotech Analytical Laboratory

Printed: 11/18/2022 10:20:26AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:30	Work Order ID:	E211103
Phone:	(575) 631-6977	Date Logged In:	11/17/22 14:54	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Beetle Juice 19 Fed 3 has been separated into 8 reports.  
E211103/E211104/E211105/E211106/E211107/E211108/E211109/E211110. COC received with white out on time sampled by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? 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 Fed 3

Work Order: E211106

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/21/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 11/21/22

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Beetle Juice 19 Fed 3  
Workorder: E211106  
Date Received: 11/18/2022 6:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2022 6:30:00AM, under the Project Name: Beetle Juice 19 Fed 3.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto: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](mailto: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](http://www.envirotech-inc.com)

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 15:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS29	E211106-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS30	E211106-02A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS31	E211106-03A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS32	E211106-04A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS33	E211106-05A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS34	E211106-06A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS35	E211106-07A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS36	E211106-08A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS37	E211106-09A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS38	E211106-10A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS39	E211106-11A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS40	E211106-12A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS41	E211106-13A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS42	E211106-14A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS43	E211106-15A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS44	E211106-16A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS45	E211106-17A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS46	E211106-18A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS47	E211106-19A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS48	E211106-20A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

## CS29

## E211106-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: Bromofluorobenzene</i>	98.3 %	70-130		11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.4 %	70-130		11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>	99.4 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
<i>Surrogate: Bromofluorobenzene</i>	98.3 %	70-130		11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.4 %	70-130		11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>	99.4 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>	102 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS30

E211106-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	100 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS31

E211106-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	104 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS32

E211106-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	101 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS33

E211106-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		103 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		103 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		80.1 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS34

E211106-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.6 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.6 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	81.1 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS35

E211106-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	82.6 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS36

E211106-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		99.0 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		99.0 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane		96.3 %	50-200	11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS37

E211106-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.8 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.8 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	104 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

## CS38

## E211106-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.8 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.8 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	105 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS39

E211106-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	97.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	97.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	95.2 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

## CS40

## E211106-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	103 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

## CS41

## E211106-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	97.2 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	97.2 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	105 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	29.7	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS42

E211106-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.1 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.1 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	107 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

## CS43

## E211106-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	109 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	28.9	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

## CS44

## E211106-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.9 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.5 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.9 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.5 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	110 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

## CS45

## E211106-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	109 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS46

E211106-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.0 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.0 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	108 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS47

E211106-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	108 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	33.9	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

## CS48

## E211106-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.6 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.6 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	110 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	<b>Reported:</b> 11/21/2022 3:07:55PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2247080-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

## LCS (2247080-BS1)

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

Benzene	2.70	0.0250	2.50		108	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.62	0.0250	2.50		105	70-130			
o-Xylene	2.73	0.0250	2.50		109	70-130			
p,m-Xylene	5.20	0.0500	5.00		104	70-130			
Total Xylenes	7.92	0.0250	7.50		106	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.4	70-130			

## LCS Dup (2247080-BSD1)

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

Benzene	2.46	0.0250	2.50		98.4	70-130	9.17	23	
Ethylbenzene	2.40	0.0250	2.50		95.9	70-130	7.45	27	
Toluene	2.44	0.0250	2.50		97.5	70-130	7.06	24	
o-Xylene	2.52	0.0250	2.50		101	70-130	7.83	27	
p,m-Xylene	4.83	0.0500	5.00		96.6	70-130	7.38	27	
Total Xylenes	7.35	0.0250	7.50		98.0	70-130	7.54	27	
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	<b>Reported:</b>  11/21/2022 3:07:55PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

## 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 (2247080-BLK1)

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

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

## LCS (2247080-BS2)

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

Gasoline Range Organics (C6-C10)	41.1	20.0	50.0		82.1	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

## LCS Dup (2247080-BSD2)

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

Gasoline Range Organics (C6-C10)	41.1	20.0	50.0		82.3	70-130	0.137	20	
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2247084-BLK1)

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.9		50.0		99.7	50-200			

## LCS (2247084-BS1)

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

Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			

## Matrix Spike (2247084-MS1)

Source: E211106-12

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

Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	50.8		50.0		102	50-200			

## Matrix Spike Dup (2247084-MSD1)

Source: E211106-12

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

Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	1.77	20	
Surrogate: n-Nonane	52.5		50.0		105	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2247099-BLK1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	ND	20.0							
LCS (2247099-BS1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	256	20.0	250		102	90-110			
LCS Dup (2247099-BSD1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	264	20.0	250		106	90-110	3.16	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 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 15:07

- 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.

Released to Imaging: 3/8/2024 3:33:50 PM

Client: <u>Pima Environmental</u>		Bill To		Lab Use Only		TAT			EPA Program									
Project: <u>Beele Juice 19 Feb 3</u>		Attention: _____		Lab WO# <u>E21106</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: <u>Tom Bynum</u>		Address: _____		City, State, Zip _____		Analysis and Method						RCRA						
Address: <u>5614 N. Irvington Hwy</u>		Phone: _____		Email: _____		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC - NM	TCEQ 1005 TX-TPH	State				
City, State, Zip: <u>Hobbs, NM, 88240</u>		Project# <u>1-147</u>												NM	CO	UT	AZ	TX
Phone: <u>580-748-1613</u>														X				
Email: <u>tom@pimaoil.com</u>																		
Report due by: _____																		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC - NM	TCEQ 1005 TX-TPH	Remarks
5:00	11/16/22	S	1	CS 29	1							X		
5:05				CS 30	2									
5:10				CS 31	3									
5:15				CS 32	4									
5:20				CS 33	5									
5:25				CS 34	6									
5:30				CS 35	7									
5:35				CS 36	8									
5:40				CS 37	9									
5:45				CS 38	10									

Additional Instructions: <u>Billing# 20948131</u>						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.									
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Sampled by: <u>Scott H.</u>									
Relinquished by: (Signature) <u>W. Anderson</u>		Date <u>11/17/22</u>		Time <u>1:33</u>		Received by: (Signature) <u>Michelle</u>		Date <u>11-17-22</u>		Time <u>1:37</u>		Lab Use Only			
Relinquished by: (Signature) <u>Michelle</u>		Date <u>11-17-22</u>		Time <u>16:20</u>		Received by: (Signature) <u>Scott H.</u>		Date <u>11/18/22</u>		Time <u>6:30</u>		Received on ice: <u>(Y)</u> N			
Relinquished by: (Signature) _____		Date _____		Time _____		Received by: (Signature) _____		Date _____		Time _____		T1 _____ T2 _____ T3 _____			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____						AVG Temp °C <u>4</u>			
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.															



Received by OCD: 10/2/2023 2:53:28 PM

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Released to: Imaging: 3/8/2024 3:33:50 PM

Received by: OCD: 10/2/2023 2:53:28 PM

Client: <u>Pima Environmental</u>	Bill To	Lab Use Only		TAT				EPA Program	
Project: <u>Beele Juice 19 Feb 3</u>	Attention:	Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bvhlum</u>	Address:	<u>E211104</u>	<u>01058-0007</u>	<u>X</u>					
Address: <u>5614 N. Irvington Hwy</u>	City, State, Zip	Analysis and Method							RCRA
City, State, Zip: <u>Holms, NM, 88240</u>	Phone:	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH
Phone: <u>580-748-1613</u>	Email:								
Email: <u>tom@pimaoil.com</u>	Project# <u>1-147</u>								
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	TCEQ 1005 TX-TPH	Remarks
5:50	11/16/22	S	1	CS 39	11							X		
5:55				CS 40	12									
6:00				CS 41	13									
6:05				CS 42	14									
6:10				CS 43	15									
6:15				CS 44	16									
6:20				CS 45	17									
6:25				CS 46	18									
6:30				CS 47	19									
6:35				CS 48	20									

Additional Instructions: <u>Billing# 20948131</u>					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.					
Sampled by: <u>Scott H.</u>					
Relinquished by: (Signature) <u>Abdalla Landers</u>		Date <u>11/17/22</u>	Time <u>1337</u>	Received by: (Signature) <u>Michelle K. G.</u>	
Relinquished by: (Signature) <u>Michelle K. G.</u>		Date <u>11-17-22</u>	Time <u>1620</u>	Received by: (Signature) <u>Carla Chat</u>	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)	
		Date	Time	Received by: (Signature)	
		Date	Time	Received by: (Signature)	
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.					



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## Envirotech Analytical Laboratory

Printed: 11/18/2022 10:53:29AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:30	Work Order ID:	E211106
Phone:	(575) 631-6977	Date Logged In:	11/17/22 15:06	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Beetle Juice 19 Fed 3 has been separated into 8 reports.  
E211103/E211104/E211105/E211106/E211107/E211108/E211109/E211110. COC received with white out on time sampled by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? 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 Fed 3

Work Order: E211106

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/21/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 11/21/22

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Beetle Juice 19 Fed 3  
Workorder: E211106  
Date Received: 11/18/2022 6:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2022 6:30:00AM, under the Project Name: Beetle Juice 19 Fed 3.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto: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](mailto: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](http://www.envirotech-inc.com)

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 15:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS29	E211106-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS30	E211106-02A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS31	E211106-03A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS32	E211106-04A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS33	E211106-05A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS34	E211106-06A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS35	E211106-07A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS36	E211106-08A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS37	E211106-09A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS38	E211106-10A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS39	E211106-11A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS40	E211106-12A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS41	E211106-13A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS42	E211106-14A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS43	E211106-15A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS44	E211106-16A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS45	E211106-17A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS46	E211106-18A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS47	E211106-19A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS48	E211106-20A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.



## Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
PO Box 247	Project Number:	01058-0007	<b>Reported:</b>
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

## CS29

## E211106-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.4 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.4 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	102 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS30

E211106-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	100 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS31

E211106-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	104 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS32

E211106-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	101 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS33

E211106-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		103 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		103 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane		80.1 %	50-200	11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS34

E211106-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.6 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.6 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	81.1 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS35

E211106-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	82.6 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS36

E211106-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		99.0 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		99.0 %	70-130	11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane		96.3 %	50-200	11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS37

E211106-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.8 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.8 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	104 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

## CS38

## E211106-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.8 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.8 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	105 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS39

E211106-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	97.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	97.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	95.2 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

## CS40

## E211106-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	103 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

## CS41

## E211106-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	97.2 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	97.2 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
Surrogate: n-Nonane	105 %	50-200		11/17/22	11/18/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	29.7	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS42

E211106-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.1 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.1 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	107 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

## CS43

## E211106-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	109 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	28.9	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

## CS44

## E211106-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.9 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.5 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.9 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.5 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	110 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

## CS45

## E211106-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	109 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS46

E211106-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.0 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.0 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	108 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

CS47

E211106-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.9 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	108 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	33.9	20.0	1	11/18/22	11/18/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 3:07:55PM

## CS48

## E211106-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.6 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.6 %	70-130		11/17/22	11/18/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	110 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	<b>Reported:</b> 11/21/2022 3:07:55PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2247080-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

## LCS (2247080-BS1)

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

Benzene	2.70	0.0250	2.50		108	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.62	0.0250	2.50		105	70-130			
o-Xylene	2.73	0.0250	2.50		109	70-130			
p,m-Xylene	5.20	0.0500	5.00		104	70-130			
Total Xylenes	7.92	0.0250	7.50		106	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.4	70-130			

## LCS Dup (2247080-BSD1)

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

Benzene	2.46	0.0250	2.50		98.4	70-130	9.17	23	
Ethylbenzene	2.40	0.0250	2.50		95.9	70-130	7.45	27	
Toluene	2.44	0.0250	2.50		97.5	70-130	7.06	24	
o-Xylene	2.52	0.0250	2.50		101	70-130	7.83	27	
p,m-Xylene	4.83	0.0500	5.00		96.6	70-130	7.38	27	
Total Xylenes	7.35	0.0250	7.50		98.0	70-130	7.54	27	
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:  11/21/2022 3:07:55PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

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 (2247080-BLK1) Prepared: 11/17/22 Analyzed: 11/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

LCS (2247080-BS2) Prepared: 11/17/22 Analyzed: 11/18/22

Gasoline Range Organics (C6-C10)	41.1	20.0	50.0		82.1	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

LCS Dup (2247080-BSD2) Prepared: 11/17/22 Analyzed: 11/18/22

Gasoline Range Organics (C6-C10)	41.1	20.0	50.0		82.3	70-130	0.137	20	
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247084-BLK1)					Prepared: 11/17/22 Analyzed: 11/18/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.9		50.0		99.7	50-200			

LCS (2247084-BS1)					Prepared: 11/17/22 Analyzed: 11/18/22				
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			

Matrix Spike (2247084-MS1)					Source: E211106-12		Prepared: 11/17/22 Analyzed: 11/18/22		
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	50.8		50.0		102	50-200			

Matrix Spike Dup (2247084-MSD1)					Source: E211106-12		Prepared: 11/17/22 Analyzed: 11/18/22		
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	1.77	20	
Surrogate: n-Nonane	52.5		50.0		105	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2247099-BLK1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	ND	20.0							
LCS (2247099-BS1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	256	20.0	250		102	90-110			
LCS Dup (2247099-BSD1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	264	20.0	250		106	90-110	3.16	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 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 15:07

- 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.

Released to Imaging: 3/8/2024 3:33:50 PM

Client: <u>Pima Environmental</u>		Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Beele Juice 19 Feb 3</u>		Attention: _____		Lab WO# <u>E21106</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>		Address: _____		City, State, Zip _____		Analysis and Method		RCRA					
Address: <u>5614 N. Irvington Hwy</u>		Phone: _____		Email: _____		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	State	
City, State, Zip: <u>Hobbs, NM, 88240</u>		Project# <u>1-147</u>										NM	CO
Phone: <u>580-748-1613</u>												UT	AZ
Email: <u>tom@pimaoil.com</u>												TX	
Report due by: _____												Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC - NM	TCEQ 1005 TX-TPH	Remarks
5:00	11/16/22	S	1	CS 29	1							X		
5:05				CS 30	2									
5:10				CS 31	3									
5:15				CS 32	4									
5:20				CS 33	5									
5:25				CS 34	6									
5:30				CS 35	7									
5:35				CS 36	8									
5:40				CS 37	9									
5:45				CS 38	10									

Additional Instructions: <u>Billing# 20948131</u>						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.									
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Sampled by: <u>Scott H.</u>									
Relinquished by: (Signature) <u>W. Anderson</u>		Date <u>11/17/22</u>		Time <u>1:33</u>		Received by: (Signature) <u>Michael</u>		Date <u>11-17-22</u>		Time <u>1:37</u>		Lab Use Only			
Relinquished by: (Signature) <u>Michael</u>		Date <u>11-17-22</u>		Time <u>16:20</u>		Received by: (Signature) <u>Carla</u>		Date <u>11/18/22</u>		Time <u>6:30</u>		Received on ice: <u>(Y)</u> N			
Relinquished by: (Signature) _____		Date _____		Time _____		Received by: (Signature) _____		Date _____		Time _____		T1 _____ T2 _____ T3 _____			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____						AVG Temp °C <u>4</u>			
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.															

Received by OCD: 10/2/2023 2:53:28 PM

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Released to: Imaging: 3/8/2024 3:33:50 PM

Client: <u>Pima Environmental</u> Project: <u>Beele Juice 19 Feb 3</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Livingston Hwy</u> City, State, Zip: <u>Holms, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by:	Bill To Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____  <u>Project# 1-147</u>	Lab Use Only		TAT				EPA Program		
		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA	
		<u>E21104</u>	<u>01058-0007</u>	<u>X</u>						
		Analysis and Method						RCRA		
								State		
						NM	CO	UT	AZ	TX
						<u>X</u>				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BDOC - NM	TCEQ 1005 TX-TPH	Remarks
5:50	11/16/22	S	1	CS 39	11									X		
5:55				CS 40	12											
6:00				CS 41	13											
6:05				CS 42	14											
6:10				CS 43	15											
6:15				CS 44	16											
6:20				CS 45	17											
6:25				CS 46	18											
6:30				CS 47	19											
6:35				CS 48	20											

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.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature) <u>Abdalla Landers</u>			Date <u>11/17/22</u> Time <u>1337</u>			Received by: (Signature) <u>Michelle K. G...</u>			Date <u>11-17-22</u> Time <u>1337</u>			Lab Use Only		
Relinquished by: (Signature) <u>Michael G...</u>			Date <u>11-17-22</u> Time <u>1620</u>			Received by: (Signature) <u>Carla Chat</u>			Date <u>11/18/22</u> Time <u>6:30</u>			Received on ice: <u>N</u>		
Relinquished by: (Signature)			Date			Received by: (Signature)			Date			T1 T2 T3		
						AVG Temp °C <u>4</u>								

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

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



Received by: OCD: 10/2/2023 2:53:28 PM

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## Envirotech Analytical Laboratory

Printed: 11/18/2022 10:53:29AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:30	Work Order ID:	E211106
Phone:	(575) 631-6977	Date Logged In:	11/17/22 15:06	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Beetle Juice 19 Fed 3 has been separated into 8 reports.  
E211103/E211104/E211105/E211106/E211107/E211108/E211109/E211110. COC received with white out on time sampled by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? 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 Fed 3

Work Order: E211108

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/21/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 11/21/22

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Beetle Juice 19 Fed 3  
Workorder: E211108  
Date Received: 11/18/2022 6:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2022 6:30:00AM, under the Project Name: Beetle Juice 19 Fed 3.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto: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](mailto: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](http://www.envirotech-inc.com)

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 12:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS69	E211108-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS70	E211108-02A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS71	E211108-03A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS72	E211108-04A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS73	E211108-05A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS74	E211108-06A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS75	E211108-07A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS76	E211108-08A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS77	E211108-09A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS78	E211108-10A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS79	E211108-11A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS80	E211108-12A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS81	E211108-13A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS82	E211108-14A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS83	E211108-15A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS84	E211108-16A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS85	E211108-17A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS86	E211108-18A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS87	E211108-19A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS88	E211108-20A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

## CS69

## E211108-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2247104	
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2247104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2247086	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	79.0 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: KL		Batch: 2247101	
Chloride	ND	20.0	1	11/18/22	11/19/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

## CS70

## E211108-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	80.1 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

CS71

E211108-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	81.6 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

CS72

E211108-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	85.1 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

## CS73

## E211108-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.5 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.5 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	83.3 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

CS74

E211108-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	81.6 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

CS75

E211108-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	77.6 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

CS76

E211108-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	82.0 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

CS77

E211108-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	80.5 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

CS78

E211108-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	81.8 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

## CS79

## E211108-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	94.6 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	94.6 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	79.2 %	50-200		11/17/22	11/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

## CS80

## E211108-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/20/22	
Surrogate: n-Nonane	79.6 %	50-200		11/17/22	11/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

## CS81

## E211108-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/20/22	
Surrogate: n-Nonane	80.6 %	50-200		11/17/22	11/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

## CS82

## E211108-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.6 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.6 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/20/22	
Surrogate: n-Nonane	81.7 %	50-200		11/17/22	11/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

## CS83

## E211108-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	95.2 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.7 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	95.2 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.7 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/20/22	
Surrogate: n-Nonane	82.8 %	50-200		11/17/22	11/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

## CS84

## E211108-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/20/22	
Surrogate: n-Nonane	77.8 %	50-200		11/17/22	11/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

## CS85

## E211108-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	95.7 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	95.7 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/20/22	
Surrogate: n-Nonane	80.1 %	50-200		11/17/22	11/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

CS86

E211108-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/20/22	
Surrogate: n-Nonane	80.9 %	50-200		11/17/22	11/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

CS87

E211108-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/20/22	
Surrogate: n-Nonane	81.3 %	50-200		11/17/22	11/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 12:18:45PM

## CS88

## E211108-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/20/22	
Surrogate: n-Nonane	83.5 %	50-200		11/17/22	11/20/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	<b>Reported:</b> 11/21/2022 12:18:45PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2247104-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

## LCS (2247104-BS1)

Prepared: 11/18/22 Analyzed: 11/19/22

Benzene	2.26	0.0250	2.50		90.3	70-130			
Ethylbenzene	2.21	0.0250	2.50		88.6	70-130			
Toluene	2.24	0.0250	2.50		89.6	70-130			
o-Xylene	2.34	0.0250	2.50		93.5	70-130			
p,m-Xylene	4.47	0.0500	5.00		89.3	70-130			
Total Xylenes	6.80	0.0250	7.50		90.7	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

## LCS Dup (2247104-BSD1)

Prepared: 11/18/22 Analyzed: 11/19/22

Benzene	2.29	0.0250	2.50		91.6	70-130	1.50	23	
Ethylbenzene	2.30	0.0250	2.50		92.0	70-130	3.79	27	
Toluene	2.34	0.0250	2.50		93.7	70-130	4.50	24	
o-Xylene	2.44	0.0250	2.50		97.6	70-130	4.31	27	
p,m-Xylene	4.65	0.0500	5.00		93.1	70-130	4.08	27	
Total Xylenes	7.09	0.0250	7.50		94.6	70-130	4.16	27	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:18:45PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2247104-BLK1) Prepared: 11/18/22 Analyzed: 11/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

LCS (2247104-BS2) Prepared: 11/18/22 Analyzed: 11/19/22

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		94.9	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			

LCS Dup (2247104-BSD2) Prepared: 11/18/22 Analyzed: 11/19/22

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0		99.8	70-130	5.03	20	
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.1	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:18:45PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

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

Blank (2247086-BLK1)					Prepared: 11/17/22 Analyzed: 11/19/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.0		50.0		79.9	50-200			

LCS (2247086-BS1)					Prepared: 11/17/22 Analyzed: 11/19/22				
Diesel Range Organics (C10-C28)	219	25.0	250		87.8	38-132			
Surrogate: n-Nonane	40.3		50.0		80.5	50-200			

Matrix Spike (2247086-MS1)					Source: E211108-15		Prepared: 11/17/22 Analyzed: 11/19/22		
Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.5	38-132			
Surrogate: n-Nonane	38.5		50.0		77.1	50-200			

Matrix Spike Dup (2247086-MSD1)					Source: E211108-15		Prepared: 11/17/22 Analyzed: 11/19/22		
Diesel Range Organics (C10-C28)	208	25.0	250	ND	83.2	38-132	6.07	20	
Surrogate: n-Nonane	38.4		50.0		76.8	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:18:45PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2247101-BLK1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	ND	20.0							
LCS (2247101-BS1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	245	20.0	250		98.1	90-110			
LCS Dup (2247101-BSD1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	248	20.0	250		99.1	90-110	1.07	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 12:18

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

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

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





Client: <u>Pima Environmental</u>		Bill To		Lab Use Only		TAT		EPA Program													
Project: <u>Beele Juice 19 Fed 3</u>		Attention:		Lab WO# <u>E211108</u>		Job Number <u>D1058-0007</u>		1D	2D	3D	Standard	CWA	SDWA								
Project Manager: <u>Tom Bynum</u>		Address:		Analysis and Method																	
Address: <u>5614 N. Livingston Hwy</u>		City, State, Zip		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC - NM		TCEQ 1005 TX-TPH		State	
City, State, Zip <u>48005, NM, 88240</u>		Phone:																		NM CO UT AZ TX	
Phone: <u>580-748-1613</u>		Email:																		RCRA	
Email: <u>tom@pimasil.com</u>		Report due by:		Project # <u>1-147</u>																	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
8:30	11/16/22	S	1	CS 69	1							X		
8:35				CS 70	2									
8:40				CS 71	3									
8:45				CS 72	4									
8:50				CS 73	5									
8:55				CS 74	6									
9:00				CS 75	7									
9:05				CS 76	8									
9:10				CS 77	9									
9:15				CS 78	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.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature) <u>Andrew Sanders</u>						Received by: (Signature) <u>Michelle Clark</u>					
Date <u>11/17/22</u> Time <u>1337</u>						Date <u>11-17-22</u> Time <u>1337</u>					
Relinquished by: (Signature) <u>Michelle Clark</u>						Received by: (Signature) <u>Michelle Clark</u>					
Date <u>11-17-22</u> Time <u>1620</u>						Date <u>11/18/22</u> Time <u>10:30</u>					
Relinquished by: (Signature)						Received by: (Signature)					
Date						Date					
Time						Time					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											



envirotech

Released to: Imaging: 3/8/2024 3:33:50 PM

Client: Pima Environmental  
Project: Beetle Suisse 19 Fed 3  
Project Manager: Tom Bynum  
Address: 51614 N. Livingston Hwy  
City, State, Zip: Alhambra, NM, 88240  
Phone: 580-748-1613  
Email: tom@pimadil.com  
Report due by:

Bill To  
Attention: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_  
  
Project # 1-147

Lab Use Only				TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
<u>E 211108</u>	<u>01058-0007</u>	<u>X</u>							
Analysis and Method									
DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH		
						<u>X</u>			
State									
NM	CO	UT	AZ	TX					
<u>X</u>									
Remarks									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
9:20	11/16/22	S	1	CS 79	11							X		
9:25				CS 80	12									
9:30				CS 81	13									
9:35				CS 82	14									
9:40				CS 83	15									
9:45				CS 84	16									
9:50				CS 85	17									
9:55				CS 86	18									
10:00				CS 87	19									
10:05				CS 88	20									

Additional Instructions: Billing # 20948/31

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: Scott H.

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>Alexandra Sanders</u>	<u>11/17/22</u>	<u>1337</u>	<u>Michelle Kye</u>	<u>11-17-22</u>	<u>1337</u>
<u>Michelle Kye</u>	<u>11-17-22</u>	<u>1620</u>	<u>Carla Chat</u>	<u>11/18/22</u>	<u>16:30</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only  
Received on ice: (Y) N  
T1 \_\_\_\_\_ T2 \_\_\_\_\_ T3 \_\_\_\_\_  
AVG Temp °C 4

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

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

Received by: OCD: 10/2/2023 2:53:28 PM

Page 353 of 388

## Envirotech Analytical Laboratory

Printed: 11/18/2022 10:59:59AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:30	Work Order ID:	E211108
Phone:	(575) 631-6977	Date Logged In:	11/17/22 15:11	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Beetle Juice 19 Fed 3 has been separated into 8 reports.  
E211103/E211104/E211105/E211106/E211107/E211108/E211109/E211110. COC received with white out on time sampled by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? 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 Fed 3

Work Order: E211109

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/21/22

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 11/21/22

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Beetle Juice 19 Fed 3  
Workorder: E211109  
Date Received: 11/18/2022 6:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2022 6:30:00AM, under the Project Name: Beetle Juice 19 Fed 3.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto: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](mailto: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](http://www.envirotech-inc.com)

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 13:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS89	E211109-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS90	E211109-02A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS91	E211109-03A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS92	E211109-04A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS93	E211109-05A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS94	E211109-06A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS95	E211109-07A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS96	E211109-08A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS97	E211109-09A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS98	E211109-10A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS99	E211109-11A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS100	E211109-12A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS101	E211109-13A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS102	E211109-14A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS103	E211109-15A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS104	E211109-16A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS105	E211109-17A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS106	E211109-18A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS107	E211109-19A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS108	E211109-20A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.





## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS89

## E211109-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	100 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS90

## E211109-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.5 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.5 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	99.3 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS91

## E211109-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	105 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS92

## E211109-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	104 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS93

## E211109-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	103 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS94

## E211109-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	103 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	103 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	104 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS95

## E211109-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.7 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.7 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	103 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

CS96

E211109-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	105 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

CS97

E211109-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	104 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS98

## E211109-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	102 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS99

## E211109-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	102 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS100

## E211109-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	104 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS101

## E211109-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	101 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS102

## E211109-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	103 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS103

## E211109-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	103 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS104

## E211109-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	103 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	103 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	105 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	





## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS105

## E211109-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	98.1 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS106

## E211109-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	102 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS107

## E211109-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	99.3 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## Sample Data

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

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

**Reported:**  
11/21/2022 1:53:07PM

## CS108

## E211109-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/22	11/20/22	
Ethylbenzene	ND	0.0250	1	11/18/22	11/20/22	
Toluene	ND	0.0250	1	11/18/22	11/20/22	
o-Xylene	ND	0.0250	1	11/18/22	11/20/22	
p,m-Xylene	ND	0.0500	1	11/18/22	11/20/22	
Total Xylenes	ND	0.0250	1	11/18/22	11/20/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		11/18/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		11/18/22	11/20/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		11/18/22	11/20/22	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		11/18/22	11/20/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/21/22	
Surrogate: n-Nonane	110 %	50-200		11/17/22	11/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	<b>Reported:</b>  11/21/2022 1:53:07PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2247105-BLK1)

Prepared: 11/18/22 Analyzed: 11/19/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

## LCS (2247105-BS1)

Prepared: 11/18/22 Analyzed: 11/19/22

Benzene	2.46	0.0250	2.50		98.2	70-130			
Ethylbenzene	2.45	0.0250	2.50		97.8	70-130			
Toluene	2.47	0.0250	2.50		98.9	70-130			
o-Xylene	2.58	0.0250	2.50		103	70-130			
p,m-Xylene	4.92	0.0500	5.00		98.5	70-130			
Total Xylenes	7.51	0.0250	7.50		100	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

## LCS Dup (2247105-BSD1)

Prepared: 11/18/22 Analyzed: 11/19/22

Benzene	2.53	0.0250	2.50		101	70-130	2.97	23	
Ethylbenzene	2.47	0.0250	2.50		98.9	70-130	1.14	27	
Toluene	2.52	0.0250	2.50		101	70-130	2.00	24	
o-Xylene	2.58	0.0250	2.50		103	70-130	0.271	27	
p,m-Xylene	4.91	0.0500	5.00		98.2	70-130	0.295	27	
Total Xylenes	7.49	0.0250	7.50		99.8	70-130	0.287	27	
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:  11/21/2022 1:53:07PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

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 (2247105-BLK1) Prepared: 11/18/22 Analyzed: 11/19/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

LCS (2247105-BS2) Prepared: 11/18/22 Analyzed: 11/19/22

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.5	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			

LCS Dup (2247105-BSD2) Prepared: 11/18/22 Analyzed: 11/19/22

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130	9.18	20	
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 1:53:07PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247087-BLK1)					Prepared: 11/17/22 Analyzed: 11/20/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.2		50.0		100	50-200			

LCS (2247087-BS1)					Prepared: 11/17/22 Analyzed: 11/20/22				
Diesel Range Organics (C10-C28)	231	25.0	250		92.4	38-132			
Surrogate: n-Nonane	49.0		50.0		98.0	50-200			

Matrix Spike (2247087-MS1)					Source: E211109-01		Prepared: 11/17/22 Analyzed: 11/20/22		
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132			
Surrogate: n-Nonane	45.1		50.0		90.2	50-200			

Matrix Spike Dup (2247087-MSD1)					Source: E211109-01		Prepared: 11/17/22 Analyzed: 11/20/22		
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.4	38-132	0.903	20	
Surrogate: n-Nonane	47.2		50.0		94.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 1:53:07PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2247102-BLK1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	ND	20.0							
LCS (2247102-BS1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	270	20.0	250		108	90-110			
LCS Dup (2247102-BSD1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	270	20.0	250		108	90-110	0.0770	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 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 13:53

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

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

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

Client: <u>Pima Environmental</u> Project: <u>Beetle Juice 19 Feb 3</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Livingston Hwy</u> City, State, Zip: <u>Hobbs, NM 88240</u> Phone: <u>505-748-1613</u> Email: <u>Tom@pimaoil.com</u> Report due by: _____	Bill To Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____  <u>PN# 1-147</u>	Lab Use Only		TAT				EPA Program			
		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
		<u>E211109</u>	<u>01058-0001</u>	<u>Y</u>							
		Analysis and Method							RCRA		
		State									
							NM	CO	UT	AZ	TX
							<u>Y</u>				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
10:10	11/16/22	S	1	CS 89	1								X		
10:15				CS 90	2										
10:20				CS 91	3										
10:25				CS 92	4										
10:30				CS 93	5										
10:35				CS 94	6										
10:40				CS 95	7										
10:45				CS 96	8										
10:50				CS 97	9										
10:55				CS 98	10										

Additional Instructions: <u>Billing# 20948131</u>						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.					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Sampled by: <u>Scott H.</u>					
Relinquished by: (Signature) <u>Abdullah S.</u>		Date	Time	Received by: (Signature) <u>Michelle K. G.</u>		Date	Time	Lab Use Only			
Relinquished by: (Signature) <u>Michelle K. G.</u>		Date	Time	Received by: (Signature) <u>Michelle K. G.</u>		Date	Time	Received on ice: <u>N</u>			
Relinquished by: (Signature) _____		Date	Time	Received by: (Signature) _____		Date	Time	T1 _____ T2 _____ T3 _____			
						AVG Temp °C <u>4</u>					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											



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Client: <u>Pima Environmental</u>		Bill To		Lab Use Only		TAT		EPA Program						
Project: <u>Beetle Juice 19 Feb 3</u>		Attention: _____		Lab WO# <u>E 211109</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: <u>Tom Bynum</u>		Address: _____		Analysis and Method				<input checked="" type="checkbox"/>						
Address: <u>5614 N. Livingston Hwy</u>		City, State, Zip _____		DRO/DRO by 8015		GRO/DRO by 8015		BTX by 8021		VOC by 8260		Metals 6010		Chloride 300.0
City, State, Zip: <u>Hobbs, NM, 88240</u>		Phone: _____												
Phone: <u>580-748-1613</u>		Email: _____												
Email: <u>tom@pimaoil.com</u>		PN: <u>1-147</u>												
Report due by: _____														
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC - NM	TCEQ 1005 TX-TPH	Remarks
11:00	11/16/22	S	1	CS 99	11							x		
11:05				CS 100	12									
11:10				CS 101	13									
11:15				CS 102	14									
11:20				CS 103	15									
11:25				CS 104	16									
11:30				CS 105	17									
11:35				CS 106	18									
11:40				CS 107	19									
11:45				CS 108	20									
Additional Instructions: <u>Billing# 20948131</u>														
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Scott H</u>														
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.														
Relinquished by: (Signature) <u>Andrea S</u>		Date <u>11/17/22</u>		Time <u>1337</u>		Received by: (Signature) <u>Michelle G</u>		Date <u>11-17-22</u>		Time <u>1337</u>		Lab Use Only		
Relinquished by: (Signature) <u>Michelle G</u>		Date <u>11-17-22</u>		Time <u>1620</u>		Received by: (Signature) <u>Scott H</u>		Date <u>11/18/22</u>		Time <u>6:30</u>		Received on ice: <u>P/N</u>		
Relinquished by: (Signature) _____		Date _____		Time _____		Received by: (Signature) _____		Date _____		Time _____		T1 _____ T2 _____ T3 _____		
AVG Temp °C <u>4</u>														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____														
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.														



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## Envirotech Analytical Laboratory

Printed: 11/18/2022 11:03:41AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:30	Work Order ID:	E211109
Phone:	(575) 631-6977	Date Logged In:	11/17/22 15:12	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Beetle Juice 19 Fed 3 has been separated into 8 reports.  
E211103/E211104/E211105/E211106/E211107/E211108/E211109/E211110. COC received with white out on time sampled by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? 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 271485

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 271485
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	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 will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	3/8/2024