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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?	<50 (ft bgs)
Did this release impact groundwater or surface water?	Yes X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes 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)?	Yes X No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes 🗓 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?	Yes X No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes X No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No
Are the lateral extents of the release overlying a subsurface mine?	Yes No
Are the lateral extents of the release overlying an unstable area such as karst geology?	x Yes No
Are the lateral extents of the release within a 100-year floodplain?	Yes No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	Yes No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vercontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well	ls.
X Field data   X 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	
X Boring or excavation logs	
Photographs including date and GIS information  Topographic/Aerial maps	

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.

X Laboratory data including chain of custody

Received by OCD: 10/2/2023 2:53:28 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.							
Printed Name: Dale Woodall Title	e: Environmental Professional						
Signature: Dale Woodall	Date: 10/2/2023						
email: dale.woodall@dvn.com	Telephone: <u>575-748-1838</u>						
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 is	tems must be included in the closure report.
X A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
X Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
X Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rerebuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification to the O	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.  nvironmental Professional
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible 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. <u>NAPP2220629483</u>

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	Constituent & Limits								
(Appendix A)	Chlorides	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**

<u>NAPP2220629483:</u> 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: 8/11/2	22				ved Labor		ults		
	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl	
Sample ID	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
S-1	3'	ND	ND	ND	ND	ND	0	188	
	3'	ND	ND	ND	ND	ND	0	1310	
S-2	4'	ND	ND	ND	ND	ND	0	406	
S-3	3'	ND	ND	ND	ND	ND	0	844	
3-3	4'	ND	ND	ND	ND	ND	0	664	
	3'	ND	ND	ND	ND	ND	0	3520	
S-4	4'	ND	ND	ND	ND	ND	0	1750	
	5'	ND	ND	ND	ND	ND	0	ND	
	3'	ND	ND	ND	ND	ND	0	636	
S-5	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

NMO	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				oved Labor		ults		
Sample ID	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl	
Sample ID	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	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' 5'	ND	ND	ND	ND	ND	0	21 ND	
CSW 4 CSW 5	5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND 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 20.0	
CSW 12 CSW 13	5' 5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	20.8 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 30	
CSW 23 CSW 24	5' 5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	39 ND	
CSW 24	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' 5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND 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 CS 14	5' 5'	ND	ND ND	ND ND	ND ND	ND ND	0	ND ND	
CS 14 CS 15	5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND 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 CS 25	5' 5'	ND ND	ND ND	ND ND	ND ND	ND	0	ND ND	
CS 25	5'	ND ND	ND ND	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' 5'	ND	ND ND	ND	ND ND	ND	0	ND	
CS 36 CS 37	5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND ND	
			.,,,,		.,,,,		_ <u> </u>	.,,,,	

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
CS 48	5'	ND	ND	ND	ND	ND	0	ND
CS 49	5'	ND	ND	ND	ND	ND	0	ND
	5'						0	
CS 50		ND	ND	ND	ND	ND		ND
CS 51	5'	ND	ND	ND	ND	ND	0	ND
CS 52	5'	ND	ND	ND	ND	ND	0	29.5
CS 53	5'	ND	ND	ND	ND	ND	0	ND
CS 54	5'	ND	ND	ND	ND	ND	0	ND
	5'	ND	ND	ND	ND		0	ND
CS 55						ND		
CS 56	5'	ND	ND	ND	ND	ND	0	ND
CS 57	5'	ND	ND	ND	ND	ND	0	ND
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
CS 63	5'	ND	ND	ND	ND	ND	0	ND
CS 64	5'	ND	ND	ND	ND	ND	0	ND
CS 65	5'	ND	ND	ND	ND	ND	0	ND
CS 66	5'	ND	ND	ND	ND	ND	0	ND
CS 67	5'	ND	ND	ND	ND	ND	0	ND
CS 68	5'	ND	ND	ND	ND	ND	0	ND
CS 69	5'	ND	ND	ND	ND	ND	0	ND
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
CS 74	5'	ND	ND	ND	ND	ND	0	ND
	5'							
CS 75		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
CS 79	5'	ND	ND	ND	ND	ND	0	ND
CS 80	5'	ND	ND	ND	ND	ND	0	ND
	5'							
CS 81		ND	ND	ND	ND	ND	0	ND
CS 82	5'	ND	ND	ND	ND	ND	0	ND
CS 83	5'	ND	ND	ND	ND	ND	0	ND
CS 84	5'	ND	ND	ND	ND	ND	0	ND
CS 85	5'	ND	ND	ND	ND	ND	0	ND
CS 86	5'	ND	ND	ND	ND	ND	0	ND
CS 87	5'	ND	ND	ND	ND	ND	0	ND
CS 88	5'	ND	ND	ND	ND	ND	0	ND
CS 89	5'	ND	ND	ND	ND	ND	0	ND
CS 90	5'	ND	ND	ND	ND	ND	0	ND
CS 91	5'	ND	ND	ND	ND	ND	0	ND
CS 92	5'	ND	ND	ND	ND	ND	0	ND
CS 93	5'	ND	ND	ND	ND	ND	0	ND
CS 94	5'	ND	ND	ND	ND	ND	0	ND
	5' 5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND ND
CS 94 CS 95	5'	ND	ND	ND	ND	ND	0	ND
CS 94 CS 95 CS 96	5' 5'	ND ND	ND ND	ND ND	ND ND	ND ND	0	ND ND
CS 94 CS 95 CS 96 CS 97	5' 5' 5'	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	0 0 0	ND ND ND
CS 94 CS 95 CS 96 CS 97 CS 98	5' 5' 5' 5'	ND ND ND ND	ND ND ND ND	ND ND ND	ND ND ND	ND ND ND	0 0 0	ND ND ND ND
CS 94 CS 95 CS 96 CS 97	5' 5' 5' 5' 5'	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	0 0 0	ND ND ND
CS 94 CS 95 CS 96 CS 97 CS 98	5' 5' 5' 5'	ND ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	0 0 0	ND ND ND ND
CS 94 CS 95 CS 96 CS 97 CS 98 CS 99	5' 5' 5' 5' 5'	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	0 0 0 0	ND ND ND ND
CS 94 CS 95 CS 96 CS 97 CS 98 CS 99 CS 100 CS 101	5' 5' 5' 5' 5' 5' 5'	ND ND ND ND ND ND	ND ND ND ND ND ND	ND ND ND ND ND ND	ND ND ND ND ND ND	ND ND ND ND ND ND	0 0 0 0 0 0	ND ND ND ND ND ND
CS 94 CS 95 CS 96 CS 97 CS 98 CS 99 CS 100 CS 101 CS 102	5' 5' 5' 5' 5' 5' 5' 5'	ND	ND N	ND	ND N	ND	0 0 0 0 0 0	ND N
CS 94 CS 95 CS 96 CS 97 CS 98 CS 99 CS 100 CS 101 CS 102 CS 103	5' 5' 5' 5' 5' 5' 5' 5' 5'	ND N	ND N	ND N	ND N	ND N	0 0 0 0 0 0 0	ND N
CS 94 CS 95 CS 96 CS 97 CS 98 CS 99 CS 100 CS 101 CS 102 CS 103 CS 104	5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5'	ND N	ND N	ND N	ND N	ND N	0 0 0 0 0 0 0 0	ND N
CS 94 CS 95 CS 96 CS 97 CS 98 CS 99 CS 100 CS 101 CS 102 CS 103 CS 104 CS 105	5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5'	ND N	ND N	ND N	ND N	ND N	0 0 0 0 0 0 0 0 0	ND N
CS 94 CS 95 CS 96 CS 97 CS 98 CS 99 CS 100 CS 101 CS 102 CS 103 CS 104	5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5'	ND N	ND N	ND N	ND N	ND N	0 0 0 0 0 0 0 0	ND N
CS 94 CS 95 CS 96 CS 97 CS 98 CS 99 CS 100 CS 101 CS 102 CS 103 CS 104 CS 105	5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5'	ND N	ND N	ND N	ND N	ND N	0 0 0 0 0 0 0 0 0	ND N
CS 94 CS 95 CS 96 CS 97 CS 98 CS 99 CS 100 CS 101 CS 102 CS 103 CS 104 CS 105 CS 106 CS 107	5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5	ND N	ND N	ND N	ND N	ND N	0 0 0 0 0 0 0 0 0 0	ND N
CS 94 CS 95 CS 96 CS 97 CS 98 CS 99 CS 100 CS 101 CS 102 CS 103 CS 104 CS 105 CS 107 CS 108	5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5	ND N	ND N	ND N	ND N	ND N	0 0 0 0 0 0 0 0 0 0 0 0	ND N
CS 94 CS 95 CS 96 CS 97 CS 98 CS 99 CS 100 CS 101 CS 102 CS 103 CS 104 CS 105 CS 106 CS 107 CS 108 CS 109	5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5	ND N	ND N	ND N	ND N	ND N	0 0 0 0 0 0 0 0 0 0 0 0 0	ND N
CS 94 CS 95 CS 96 CS 97 CS 98 CS 99 CS 100 CS 101 CS 102 CS 103 CS 104 CS 105 CS 106 CS 107 CS 108 CS 109 CS 110	5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5	ND N	ND N	ND N	ND N	ND N	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ND N
CS 94 CS 95 CS 96 CS 97 CS 98 CS 99 CS 100 CS 101 CS 102 CS 103 CS 104 CS 105 CS 106 CS 107 CS 108 CS 109 CS 110 CS 111	5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5	ND N	ND N	ND N	ND N	ND N	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ND N
CS 94 CS 95 CS 96 CS 97 CS 98 CS 99 CS 100 CS 101 CS 102 CS 103 CS 104 CS 105 CS 107 CS 108 CS 109 CS 110	5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5	ND N	ND N	ND N	ND N	ND N	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ND N
CS 94 CS 95 CS 96 CS 97 CS 98 CS 99 CS 100 CS 101 CS 102 CS 103 CS 104 CS 105 CS 106 CS 107 CS 108 CS 109 CS 110 CS 111	5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5	ND N	ND N	ND N	ND N	ND N	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ND N

CS 115	5'	ND	ND	ND	ND	ND	0	ND
CS 116	5'	ND	ND	ND	ND	ND	0	ND
CS 117	5'	ND	ND	ND	ND	ND	0	ND
CS 118	5'	ND	ND	ND	ND	ND	0	ND
CS 119	5'	ND	ND	ND	ND	ND	0	ND
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.

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

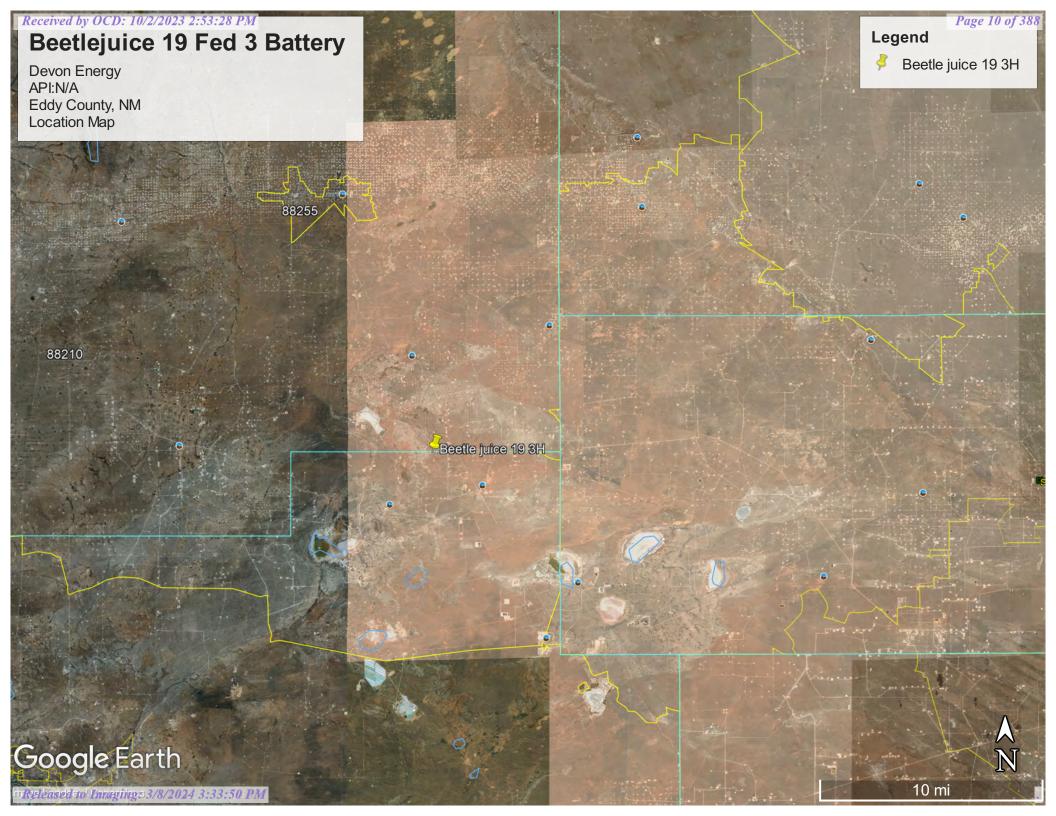
Appendix D – Photographic Documentation & Lea Land, LLC Correspondence

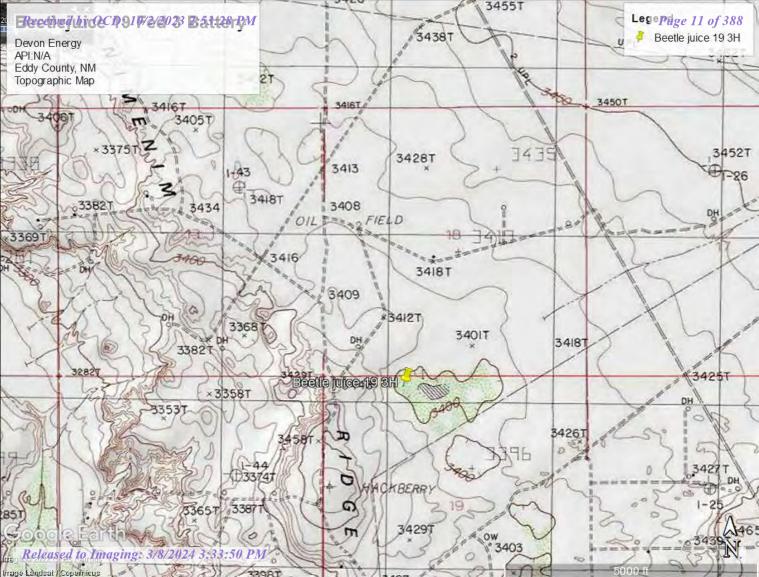
Appendix E – Laboratory Reports

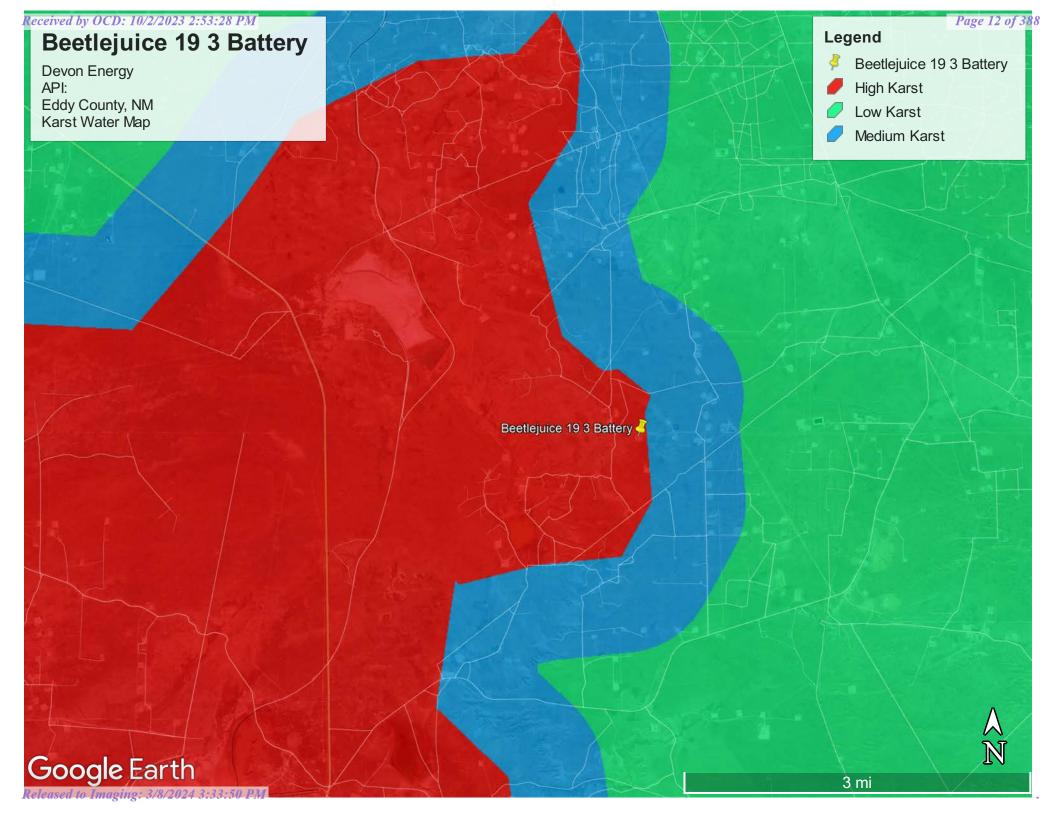


# Figures:

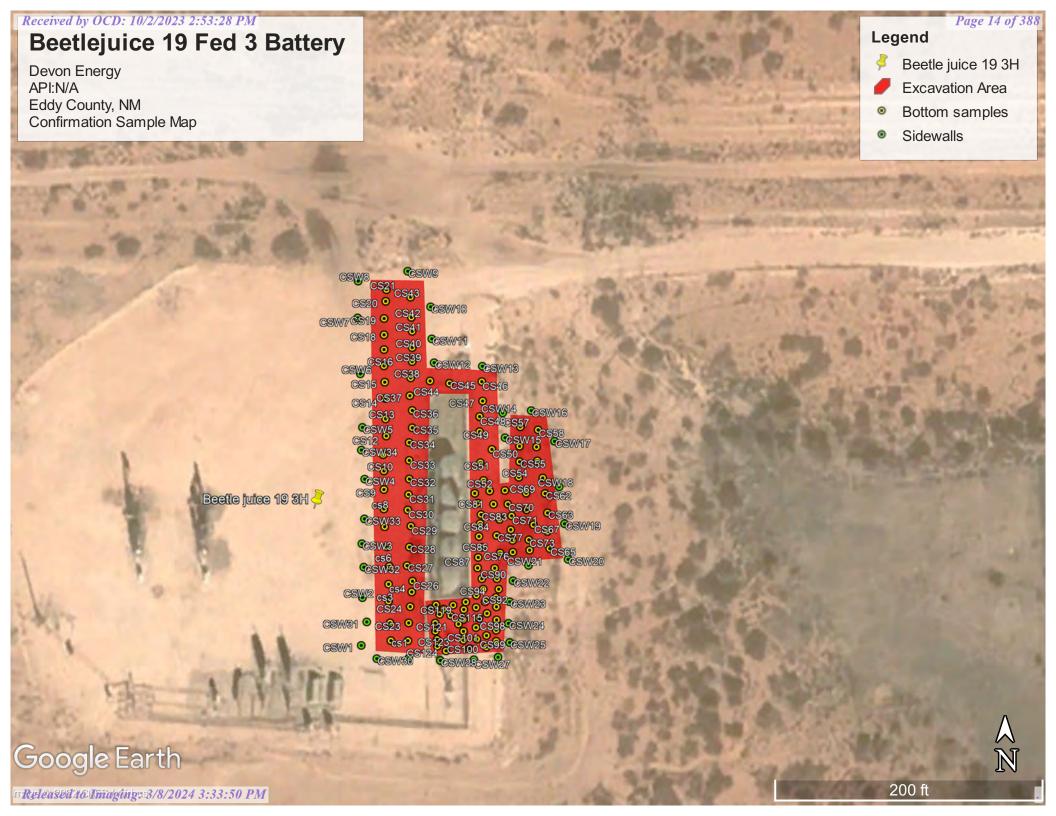
- 1 Location Map
- 2 Topographic Map
  - 3 Karst Map
  - 4 Site Map
- 5 Confirmation Sample Map













# 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)

DOD

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

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

(In feet)

		POD													
		Sub-		Q	Q	Q								1	Vater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDep	thWellDep	thWater C	olumn
<u>CP 00873 POD1</u>		CP	LE		1	1	19	19S	31E	601772	3613147*	286	340	180	160
<u>CP 00357 POD1</u>		CP	ED	4	4	1	24	19S	30E	600667	3612631*	1505	630		
<u>CP 00357 POD2</u>		CP	ED	4	3	1	24	19S	30E	600265	3612627*	1876	630		
<u>CP 00722 POD2</u>		CP	ED	2	1	1	25	19S	30E	600276	3611620*	2413	350	65	285
<u>CP 00822 POD1</u>		CP	LE		4	4	15	19S	30E	598148	3613516*	3879	90		
<u>CP 00647 POD1</u>	О	CP	ED	4	2	2	15	19S	30E	598235	3614621*	4013	200	92	108
<u>CP 00725 POD1</u>		CP	ED	1	3	3	28	19S	31E	604906	3610473*	4030	231		
<u>CP 00829 POD1</u>		CP	LE		2	4	16	19S	31E	606165	3614009*	4206	120		
<u>CP 00722 POD1</u>		CP	LE	4	3	3	28	19S	31E	605106	3610273*	4313	200		
<u>CP 00722 POD1</u>	R	CP	LE	4	3	3	28	19S	31E	605106	3610273*	4313	200		
<u>CP 00723 POD1</u>		CP	ED	2	1	1	33	19S	31E	605111	3610071*	4460	139		
<u>CP 00828 POD1</u>		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:	Geographic Area:	
Groundwater ~	United States	<b>∨</b> GO

#### Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

#### 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

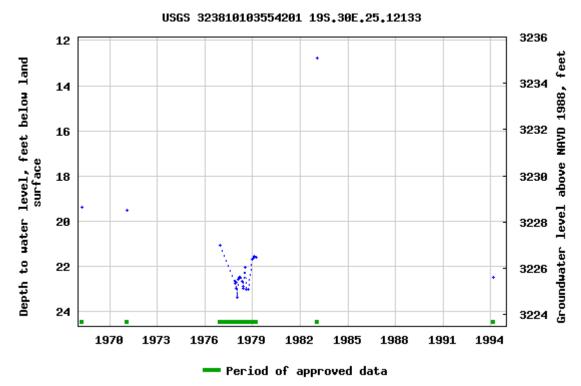
Available data for this site	Groundwater:	Field	measurements	<b>→</b> GC	)
Eddy County, New Mexico					_
Hydrologic Unit Code 1306	0011				
Latitude 32°38'10", Longit	tude 103°5	5'42"	NAD27		
Land-surface elevation 3,2	48 feet abo	ve N	AVD88		
The depth of the well is 42	feet below	land	surface.		
<del>-</del>	0.1		(NICOCO OTI		

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. <u>Download a presentation-quality graph</u>

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility

FOIA

Privacy

Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

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

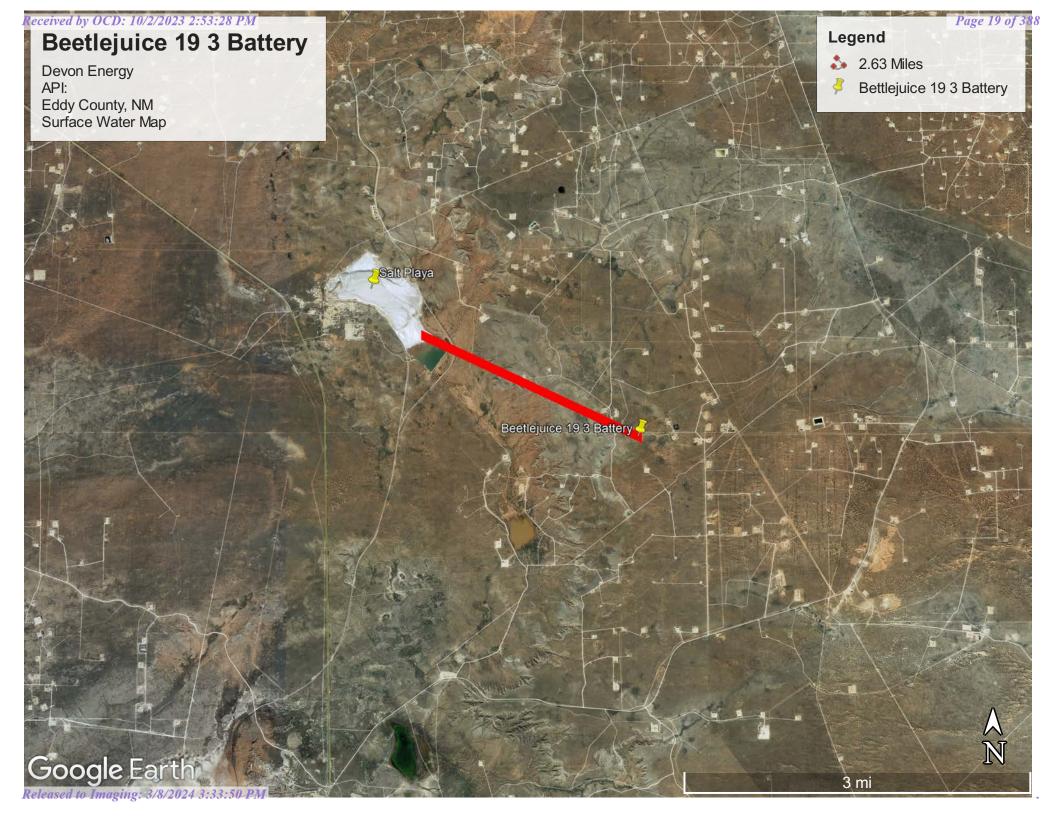
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>

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

0.59 0.53 nadww01







# Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map

### **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

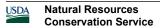
Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

#### Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D



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

OReleas 24 to Imaging: 3/8/2024 3:999.50 PM

# National Flood Hazard Layer FIRMette





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 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 OTHER AREAS OF Area with Flood Risk due to Levee Zone D FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLILL Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary — --- Coastal Transect Baseline OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available

MAP PANELS

No Digital Data Available

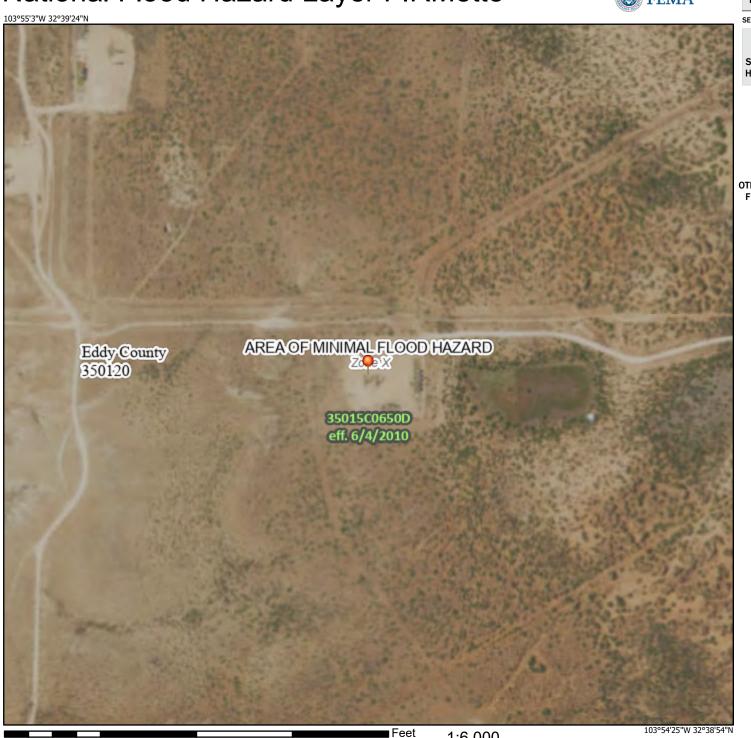
Unmapped

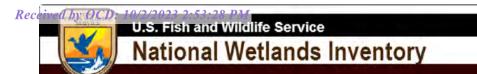
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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.



# Appendix C

C-141 Form

48-Hour Notification

Responsible Party Devon Energy Production Company

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**

OGRID 6137

Contact Nam	ontact Name Dale Woodall		Contact Te	Contact Telephone			
	Contact email Dale.Woodall@dvn.com			Incident #	Incident # (assigned by OCD)		
			vers Hwy Artesi	a, NM 88210			
			Location	of Release So	ource		
Latitude 32	.652587	7	(NAD 83 in dec	Longitude _ imal degrees to 5 decin	-103.912057 nal places)		
Site Name Re	antleiuice '	19 3 Battery		Site Type			
Date Release	Discovered	07/23/2022		API# (if app			
Unit Letter	Section	Township	Range	Coun	nty		
С	19	198	31E	Edo	·		
Crude Oil		l(s) Released (Select a		calculations or specific	justification for the volumes provided below)  Volume Recovered (bbls)		
		l(s) Released (Select a	ll that apply and attach o	calculations or specific	justification for the volumes provided below)		
Produced			` /		` /		
Produced	water		ed (bbls) 220.44 E		Volume Recovered (bbls) 220.44 BBLS		
			tion of total dissolv water >10,000 mg/	( /	Yes No		
Condensa	te	Volume Release			Volume Recovered (bbls)		
Natural G	as	Volume Release	ed (Mcf)		Volume Recovered (Mcf)		
Other (des	scribe)	Volume/Weight	Released (provide	units)	Volume/Weight Recovered (provide units)		
_ `							

Received by OCD: 10/2/2023 2253:28 PMI State of New Mexico
Page 2 Oil Conservation Division

Page 28-of 388

Incident ID	nAPP2220629483
District RP	
Facility ID	
Application ID	

<b>_</b>	1	
Was this a major	If YES, for what reason(s) does the respon	nsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	Spill is over 25 BBLS.	
Yes No		
If YES, was immediate n	otice given to the OCD? By whom? To wh	nom? When and by what means (phone, email, etc)?
Immediate notice g	iven by Dale Woodall to NMED C	CD and Mike Bratcher by email.
	•	·
	Initial R	esponse
The responsible	party must undertake the following actions immediate	y unless they could create a safety hazard that would result in injury
	ease has been stopped.	
The impacted area ha	as been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or o	likes, absorbent pads, or other containment devices.
All free liquids and r	ecoverable materials have been removed an	d managed appropriately.
If all the actions describe	d above have <u>not</u> been undertaken, explain	why:
		emediation immediately after discovery of a release. If remediation
		efforts have been successfully completed or if the release occurred blease attach all information needed for closure evaluation.
		best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger
public health or the environ	ment. The acceptance of a C-141 report by the C	OCD does not relieve the operator of liability should their operations have
		at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
and/or regulations.	of a C-141 report does not reneve the operator of	responsibility for compliance with any other rederar, state, or local laws
Printed Name: Kendr	ra Ruiz	Title: EHS Associate
Signature: Kendra	Ruiz	
Signature:	i Juuz	Date: 07/29/2022
<sub>email:</sub> Kendra.Ru	iz@dvn.com	Telephone: 575-748-0167
Cinali.		reiephone.
OCD Only		
OCD OHLY		
Received by:Jocelyn	Harimon	Date: _07/29/2022

Spills In Lined C	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 No. of Other Tanks In	5
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

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

#### CONDITIONS

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

	Page 31 of 3	88
Incident ID	nAPP2220629483	
District RP		
Facility ID		
Application ID		

## **Site Assessment/Characterization**

This information must be provided to the appropriate district office no taler than 90 days after the release discovery date.			
What is the shallowest depth to groundwater beneath the area affected by the release?	<50 (ft bgs)		
Did this release impact groundwater or surface water?	Yes X No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes 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)?	Yes X No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes 🗓 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?	Yes X No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes X No		
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No		
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No		
Are the lateral extents of the release overlying an unstable area such as karst geology?	x Yes No		
Are the lateral extents of the release within a 100-year floodplain?	Yes No		
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	Yes 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.			
<ul> <li>Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.</li> <li>Field data</li> <li>Data table of soil contaminant concentration data</li> <li>Depth to water determination</li> </ul>			

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.

X Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

X Boring or excavation logs

x Topographic/Aerial maps

x Photographs including date and GIS information

X Laboratory data including chain of custody

Received by OCD: 10/2/2023 2:53:28 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

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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: <u>575-748-1838</u>		
OCD Only			
Received by:	Date:		

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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.

Classes Dancet Attachment Charlette End. (Cd. C. H	the second to the deal of the all and the second		
Closure Report Attachment Checklist: Each of the following items must be included in the closure report.			
x A scaled site and sampling diagram as described in 19.15.29.	11 NMAC		
x 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  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.



# Appendix D

Photographic Documentation

Lea Land, LLC Correspondence



# SITE PHOTOGRAPHS DEVON ENERGY

#### **BEETLEJUICE 19 3 BATTERY**

#### **Pre-Treatment**

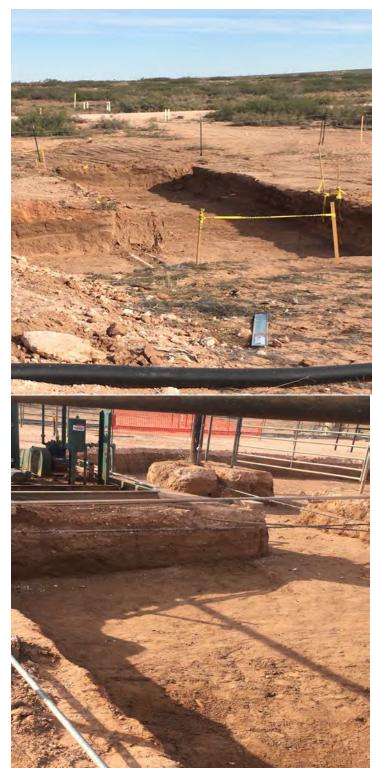






## P

#### 5' Excavation



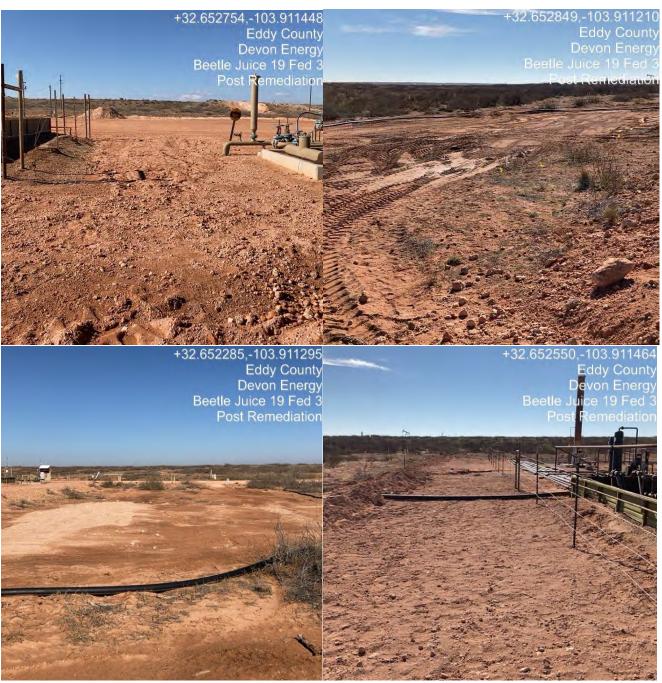




#### **Post Excavation**

















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

 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!

#### photo

#### **Shelley Denton**



LeaLand, LLC (405) 249-1667

Shelley@lealandllc.com

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

Hi Tom!

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

#### photo



**Shelley Denton** 

LeaLand, LLC (405) 249-1667

Shelley@lealandllc.com

On Apr 3, 2023, at 11:06 AM, 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



### Appendix E

**Laboratory Reports** 

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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

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Technical Representative Office: 505-421-LABS(5227)

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#### **Sample Summary**

Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum08/24/22 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.

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	8/24/2022 9:41:38AM

#### S.1 3' E208102-01

		E200102-01					
Analyte	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: Γ			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		99.9 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8		105 %	70-130		08/18/22	08/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: Γ	Y		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/18/22	08/20/22	
Surrogate: Bromofluorobenzene		99.9 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8		105 %	70-130		08/18/22	08/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: Jl	L		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		77.7 %	50-200		08/19/22	08/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: K	IL		Batch: 2234087
Allions by ETA 500.0/7050A							



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	8/24/2022 9:41:38AM

S.2 3' E208102-02

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	ļ.	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	ļ	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	l	08/19/22	08/19/22	
Surrogate: n-Nonane		87.3 %	50-200		08/19/22	08/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2234087
		20.0	1		08/18/22	08/19/22	

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	8/24/2022 9:41:38AM

S.2 4' E208102-03

		E200102-05				
Analyte	Result	Reporting Limit	Dilut	tion Prepared	Analyzed	Notes
Analyte				1	Anaryzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2234087
Chloride	406	20.0	1	08/18/22	08/19/22	

ſ	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	8/24/2022 9:41:38AM

#### S.3 3' E208102-04

	EZUUTUZ U.				
Result			n Prenared	Analyzed	Notes
			1	rmaryzed	
mg/kg	mg/kg	An	-		Batch: 2234066
ND	0.0250	1	08/18/22	08/20/22	
ND	0.0250	1	08/18/22	08/20/22	
ND	0.0250	1	08/18/22	08/20/22	
ND	0.0250	1	08/18/22	08/20/22	
ND	0.0500	1	08/18/22	08/20/22	
ND	0.0250	1	08/18/22	08/20/22	
	98.5 %	70-130	08/18/22	08/20/22	
	101 %	70-130	08/18/22	08/20/22	
	103 %	70-130	08/18/22	08/20/22	
mg/kg	mg/kg	An	alyst: IY		Batch: 2234066
ND	20.0	1	08/18/22	08/20/22	
	98.5 %	70-130	08/18/22	08/20/22	
	101 %	70-130	08/18/22	08/20/22	
	103 %	70-130	08/18/22	08/20/22	
mg/kg	mg/kg	An	alyst: JL		Batch: 2234097
ND	25.0	1	08/19/22	08/19/22	
ND	50.0	1	08/19/22	08/19/22	
	87.2 %	50-200	08/19/22	08/19/22	
mg/kg	mg/kg	An	alyst: KL		Batch: 2234087
	ND ND ND ND ND ND ND ND ND Mg/kg ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           MD         0.0250           98.5 %         101 %           103 %         mg/kg           ND         20.0           98.5 %         101 %           103 %         103 %           mg/kg         mg/kg           ND         25.0           ND         50.0	mg/kg         mg/kg         An           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           101%         70-130         70-130           103%         70-130         1           98.5%         70-130         1           98.5%         70-130         1           101%         70-130         1           103%         70-130         1           mg/kg         mg/kg         An           ND         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/18/22           ND         0.0250         1         08/18/22           ND         0.0250         1         08/18/22           ND         0.0500         1         08/18/22           ND         0.0250         1         08/18/22           ND         0.0250         1         08/18/22           101%         70-130         08/18/22           103%         70-130         08/18/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/18/22           101%         70-130         08/18/22           101%         70-130         08/18/22           103%         70-130         08/18/22           103%         70-130         08/18/22           103%         70-130         08/18/22           103%         70-130         08/18/22           103%         70-130         08/18/22           ND         25.0         1         08/18/22           ND         50.0	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         ND         0.0250         1         08/18/22         08/20/22           ND         0.0250         1         08/18/22         08/20/22

ſ	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	8/24/2022 9:41:38AM

#### S.3 4' E208102-05

		2200102 00					
	D. Iv	Reporting	P.		D 1		N.
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2234066
Benzene	ND	0.0250	1	1	08/18/22	08/20/22	
Ethylbenzene	ND	0.0250	1	l	08/18/22	08/20/22	
Toluene	ND	0.0250	1	[	08/18/22	08/20/22	
o-Xylene	ND	0.0250	1	l	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	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	08/19/22	08/19/22	
Surrogate: n-Nonane		77.2 %	50-200		08/19/22	08/19/22	
A EDA 200 0/005CA	ma/ka	mg/kg		Analyst:	KI.		Batch: 2234087
Anions by EPA 300.0/9056A	mg/kg	ilig/ kg		1 11101 ) 501	112		Batem 225 1007



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	8/24/2022 9:41:38AM

S.4 3' E208102-06

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2234087



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	8/24/2022 9:41:38AM

#### S.4 4'

		E208102-07					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2234087
Chloride	1750	20.0		1	08/18/22	08/19/22	



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	8/24/2022 9:41:38AM

#### S.4 5' E208102-08

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2234087
						08/19/22	



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	8/24/2022 9:41:38AM

#### S.5 3' E208102-09

		2200102 09				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Allaryte	Kesuit	Lillit		1	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2234087
Chloride	636	20.0	1	08/18/22	08/19/22	·

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	8/24/2022 9:41:38AM

#### S.5 4' E208102-10

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	ınalyst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2234087
Chloride	1420	20.0	1	08/18/22	08/19/22	



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	8/24/2022 9:41:38AM

#### S.5 5' E208102-11

Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	•	111111,200	Batch: 2234066
Benzene	ND	0.0250		1	08/18/22	08/20/22	Batch. 223 1000
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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2234087
Chloride	ND	20.0		1	08/18/22	08/19/22	

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	8/24/2022 9:41:38AM

#### S.6 1' E208102-12

		E200102-12					
Analyte	Result	Reporting Limit	Dilut	tion.	Duomonod	A malvira d	Notes
Analyte	Kesuit	Limit	Dilut	uon	Prepared	Analyzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY	7		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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY	7		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: K	L		Batch: 2234087
Chloride	109	20.0	1		08/18/22	08/19/22	



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	8/24/2022 9:41:38AM

#### S.7 1' E208102-13

		2200102 10					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Љ		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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2234087
Chloride	77.8	20.0		1	08/18/22	08/19/22	<del></del>



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	8/24/2022 9:41:38AM

#### S.8 1'

E208102-14							
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2234087
Chloride	ND	20.0		1	08/18/22	08/19/22	



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	8/24/2022 9:41:38AM

#### SW1 E208102-15

Reporting							
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Л		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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2234087
Chloride	ND	20.0		1	08/18/22	08/19/22	



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	8/24/2022 9:41:38AM

#### SW2 E208102-16

		2200102 10					
Analyte	Result	Reporting Limit	וים	ution	Prepared	Analyzed	Notes
			Dii			7 mary zea	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Л		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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2234087
Chloride	ND	20.0		1	08/18/22	08/19/22	



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	8/24/2022 9:41:38AM

#### SW3

E208102-17							
Reporting							
Analyte	Result	Limit	Dilu	tion Prep	ared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2234066
Benzene	ND	0.0250	1	08/1	8/22	08/20/22	
Ethylbenzene	ND	0.0250	1	08/1	8/22	08/20/22	
Toluene	ND	0.0250	1	08/1	8/22	08/20/22	
o-Xylene	ND	0.0250	1	08/1	8/22	08/20/22	
p,m-Xylene	ND	0.0500	1	08/1	8/22	08/20/22	
Total Xylenes	ND	0.0250	1	08/1	8/22	08/20/22	
Surrogate: Bromofluorobenzene		96.0 %	70-130	08/1	8/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	08/1	8/22	08/20/22	
Surrogate: Toluene-d8		103 %	70-130	08/1	8/22	08/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/1	8/22	08/20/22	
Surrogate: Bromofluorobenzene		96.0 %	70-130	08/1	8/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	08/1	8/22	08/20/22	
Surrogate: Toluene-d8		103 %	70-130	08/1	8/22	08/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/1	9/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/1	9/22	08/20/22	
Surrogate: n-Nonane		87.8 %	50-200	08/1	9/22	08/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: KL			Batch: 2234087

20.0

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08/18/22

08/19/22

ND



Chloride

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	8/24/2022 9:41:38AM

#### SW4

#### E208102-18

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: Л		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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2234087
Chloride	ND	20.0		1	08/18/22	08/19/22	

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

#### SW5

E208102-19

Reporting							
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2234087
Chloride	ND	20.0		1	08/18/22	08/19/22	

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	8/24/2022 9:41:38AM

#### SW6

E208102-20							
Reporting							
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2234087	
-							

20.0

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08/19/22

ND



Chloride

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	8/24/2022 9:41:38AM

#### SW7 E208102-21

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	analyst: KL		Batch: 2234088
Chloride	ND	20.0	1	08/18/22	08/22/22	



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

### SW8

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2234088
	ND	20.0		1	08/18/22	08/22/22	

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

### SW9

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Љ		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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2234088
Chloride	ND	20.0		1	08/18/22	08/22/22	



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

### SW10

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		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: Г	Y		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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	L		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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: K	(L		Batch: 2234088

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

### SW11

Reporting							
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2234088
Chloride	ND	20.0		1	08/18/22	08/22/22	



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

### SW12

		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2234067
Benzene	ND	0.0250	1	0	8/18/22	08/22/22	
Ethylbenzene	ND	0.0250	1	0	8/18/22	08/22/22	
Toluene	ND	0.0250	1	0	8/18/22	08/22/22	
o-Xylene	ND	0.0250	1	0	8/18/22	08/22/22	
p,m-Xylene	ND	0.0500	1	0	8/18/22	08/22/22	
Total Xylenes	ND	0.0250	1	0	8/18/22	08/22/22	
Surrogate: Bromofluorobenzene		98.6 %	70-130	- 0	08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	0	8/18/22	08/22/22	
Surrogate: Toluene-d8		103 %	70-130	0	08/18/22	08/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: IY			Batch: 2234067
Gasoline Range Organics (C6-C10)	ND	20.0	1	0	8/18/22	08/22/22	
Surrogate: Bromofluorobenzene		98.6 %	70-130	0	8/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	0	8/18/22	08/22/22	
Surrogate: Toluene-d8		103 %	70-130	0	8/18/22	08/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL			Batch: 2234096
Diesel Range Organics (C10-C28)	ND	25.0	1	0	8/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	0	8/19/22	08/20/22	
Surrogate: n-Nonane		92.6 %	50-200	0	08/19/22	08/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2234088
Allons by EFA 500.0/9050A							



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	8/24/2022 9:41:38AM

### SW13

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2234088
Chloride	ND	20.0		1	08/18/22	08/22/22	



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	8/24/2022 9:41:38AM

### **SW14**

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



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	8/24/2022 9:41:38AM

### BG1

	E208102-29				
	Reporting				
Result	Limit	Diluti	ion Prepared	Analyzed	Notes
mg/kg	mg/kg	A	analyst: IY		Batch: 2234067
ND	0.0250	1	08/18/22	08/22/22	
ND	0.0250	1	08/18/22	08/22/22	
ND	0.0250	1	08/18/22	08/22/22	
ND	0.0250	1	08/18/22	08/22/22	
ND	0.0500	1	08/18/22	08/22/22	
ND	0.0250	1	08/18/22	08/22/22	
	101 %	70-130	08/18/22	08/22/22	
	96.9 %	70-130	08/18/22	08/22/22	
	105 %	70-130	08/18/22	08/22/22	
mg/kg	mg/kg	A	ınalyst: IY		Batch: 2234067
ND	20.0	1	08/18/22	08/22/22	
	101 %	70-130	08/18/22	08/22/22	
	96.9 %	70-130	08/18/22	08/22/22	
	105 %	70-130	08/18/22	08/22/22	
mg/kg	mg/kg	A	nalyst: JL		Batch: 2234096
ND	25.0	1	08/19/22	08/20/22	
ND	50.0	1	08/19/22	08/20/22	
	86.3 %	50-200	08/19/22	08/20/22	
mg/kg	mg/kg	A	ınalyst: KL		Batch: 2234088
	mg/kg ND	Result   Limit	Result   Limit   Dilution	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         08/18/22           ND         0.0250         1         08/18/22           ND         0.0250         1         08/18/22           ND         0.0500         1         08/18/22           ND         0.0250         1         08/18/22           ND         0.0250         1         08/18/22           96.9 %         70-130         08/18/22           96.9 %         70-130         08/18/22           105 %         70-130         08/18/22           96.9 %         70-130         08/18/22           96.9 %         70-130         08/18/22           105 %         70-130         08/18/22           105 %         70-130         08/18/22           105 %         70-130         08/18/22           105 %         70-130         08/18/22           105 %         70-130         08/18/22           ND         25.0         1         08/19/22           ND         50.0         1         08/19/22	Reporting           Result         Limit         Dilution         Prepared         Analyzed           MD         0.0250         1         08/18/22         08/22/22           ND         0.0500         1         08/18/22         08/22/22           ND         0.0250         1         08/18/22         08/22/22           ND         0.0250         1         08/18/22         08/22/22           ND         0.0250         1         08/18/22         08/22/22           96.9 %         70-130         08/18/22         08/22/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         08/18/22         08/22/22           mg/kg         70-130         08/18/22         08/22/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         08/19/22         08/20/22           ND         50.0         1 <td< td=""></td<>



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	8/24/2022 9:41:38AM

### BG2 E208102-30

		E200102 C0					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	•		Batch: 2234067
Benzene	ND	0.0250		1	08/18/22	08/22/22	Date: 122 1007
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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2234088
Chloride	ND	20.0		1	08/18/22	08/22/22	



### **QC Summary Data**

Beetle Juice 19 Fed 3 Pima Environmental Services-Carlsbad Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2234066-BLK1) Prepared: 08/18/22 Analyzed: 08/20/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 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 0.500 105 70-130 Surrogate: Toluene-d8 0.525 LCS (2234066-BS1) Prepared: 08/18/22 Analyzed: 08/22/22 2.03 0.0250 2.50 81.3 70-130 Benzene 2.22 2.50 88.8 70-130 Ethylbenzene 0.0250 Toluene 2.11 0.0250 2.50 84.4 70-130 2.50 82.0 70-130 2.05 0.0250 o-Xylene 4.10 5.00 82.0 70-130 p,m-Xylene 0.0500 6.15 0.0250 7.50 82.0 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.507 0.500 101 70-130 0.500 91.1 70-130 Surrogate: 1,2-Dichloroethane-d4 0.456 0.500 70-130 Surrogate: Toluene-d8 0.525 Matrix Spike (2234066-MS1) Source: E208102-02 Prepared: 08/18/22 Analyzed: 08/20/22 2.14 0.0250 2.50 ND 85.5 48-131 ND 45-135 Ethylbenzene 2.19 0.0250 2.50 87.5 ND 84.3 48-130 Toluene 2.11 0.0250 2.50 2.06 0.0250 2.50 ND 82.5 43-135 o-Xylene 4.03 ND 43-135 p,m-Xylene 0.0500 5.00 80.6 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 0.500 95.9 70-130 0.480 0.500 70-130 0.514 Surrogate: Toluene-d8 Matrix Spike Dup (2234066-MSD1) Source: E208102-02 Prepared: 08/18/22 Analyzed: 08/20/22

				504100102 02		110parea. 00/10/22 1111a1/22a1 00/20/2		
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**

Beetle Juice 19 Fed 3 Pima Environmental Services-Carlsbad Project Name: Reported: Project Number: PO Box 247 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 8/24/2022 9:41:38AM **Volatile Organic Compounds by EPA 8260B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2234067-BLK1) Prepared: 08/18/22 Analyzed: 08/22/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.502 0.500 100 70-130 Surrogate: 1,2-Dichloroethane-d4 0.502 0.500 100 70-130 0.500 104 70-130 Surrogate: Toluene-d8 0.519 LCS (2234067-BS1) Prepared: 08/18/22 Analyzed: 08/22/22 2.29 0.0250 2.50 91.5 70-130 Benzene 2.29 2.50 91.6 70-130 Ethylbenzene 0.0250 2.24 0.0250 2.50 89.7 70-130 85.5 70-130 2.14 0.0250 2.50 o-Xylene 4.27 5.00 85.4 70-130 p,m-Xylene 0.0500 6.41 0.0250 7.50 85.4 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.502 0.500 100 70-130 0.500 99.8 70-130 Surrogate: 1,2-Dichloroethane-d4 0.499 70-130 Surrogate: Toluene-d8 0.500 0.516 Matrix Spike (2234067-MS1) Source: E208102-21 Prepared: 08/18/22 Analyzed: 08/22/22 48-131 2.25 0.0250 2.50 ND 89.9 45-135 Ethylbenzene 2.27 0.0250 2.50 ND 90.9 48-130 Toluene 2.22 0.0250 2.50 ND 88.6 2.12 0.0250 2.50 ND 84.7 43-135 o-Xylene 4.23 ND 84.6 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 6.35 0.0250 7.50 ND 84.7 43-135 Surrogate: Bromofluorobenzene 0.505 0.500 101 70-130 0.507 0.500 101 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.521 Surrogate: Toluene-d8 Matrix Spike Dup (2234067-MSD1) Source: E208102-21 Prepared: 08/18/22 Analyzed: 08/22/22 2.34 0.0250 2.50 ND 93.5 48-131 3.88 23 2.36 0.0250 2.50 ND 94.2 45-135 3.63 27 Ethylbenzene ND 91.8 48-130 3.50 24 2.29 2.50 Toluene 0.0250 o-Xylene 2.21 0.0250 2.50 ND 88.2 43-135 4.00 27 5.00 ND 88.0 43-135 27 4.40 3.86 p,m-Xylene 0.0500 27 6.60 0.0250 7.50 ND 88.1 43-135 3.91 Total Xylenes Surrogate: Bromofluorobenzene 0.498 0.500 99.6 70-130



0.500

0.500

0.484

0.517

96.8

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum8/24/20229:41:38AM

	Nonhalogenated Organics by EPA 8015D - GRO										
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes		
Blank (2234066-BLK1)						I	Prepared: 0	8/18/22 Anal	lyzed: 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)						I	Prepared: 0	8/18/22 Anal	lyzed: 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					

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	

0.500

0.500

0.488

0.535

97.5

107

70-130

70-130

Matrix Spike Dup (2234066-MSD2)	Source:	E208102-	02	Prepared: 08/18/22 Analyzed: 08/20/2				
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		

Surrogate: Toluene-d8

### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum8/24/20229:41:38AM

Plains TX, 79355-0247		Project Manager	:: То	m Bynum					8/24/2022 9:41:38AN
	Noi	nhalogenated (	Organics l	by EPA 80	15D - GF	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2234067-BLK1)							Prepared: 08	8/18/22	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	8/18/22	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:	E208102-2	1	Prepared: 08	8/18/22	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:	E208102-2	1	Prepared: 08	8/18/22	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			

0.500

0.521

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

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					8/24/2022 9:41:38AN
	Nonhal	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2234096-BLK1)							Prepared: 0	8/19/22 Ar	nalyzed: 08/20/22
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	44.6		50.0		89.2	50-200			
CS (2234096-BS1)							Prepared: 0	8/19/22 Ar	nalyzed: 08/20/22
riesel Range Organics (C10-C28)	227	25.0	250		90.6	38-132			
urrogate: n-Nonane	42.3		50.0		84.7	50-200			
Aatrix Spike (2234096-MS1)				Source:	E208103-	07	Prepared: 0	8/19/22 Ar	nalyzed: 08/20/22
riesel Range Organics (C10-C28)	249	25.0	250	27.0	88.7	38-132			
urrogate: n-Nonane	42.0		50.0		84.0	50-200			
Matrix Spike Dup (2234096-MSD1)				Source:	E208103-	07	Prepared: 0	8/19/22 Ar	nalyzed: 08/20/22
tiesel Range Organics (C10-C28)	254	25.0	250	27.0	90.6	38-132	1.91	20	
urrogate: 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

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				8/2	4/2022 9:41:38AI
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2234097-BLK1)							Prepared: 0	8/19/22 Anal	yzed: 08/19/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	38.2		50.0		76.5	50-200			
LCS (2234097-BS1)							Prepared: 0	8/19/22 Anal	yzed: 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: 0	8/19/22 Anal	yzed: 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: 0	8/19/22 Anal	yzed: 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			



Chloride

# **QC Summary Data**

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

		Anions by EPA 300.0/9056A									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2234087-BLK1)						1	Prepared: 0	8/18/22 Analy	zed: 08/22/22		
Chloride	ND	20.0									
LCS (2234087-BS1)						1	Prepared: 0	8/18/22 Analy	zed: 08/22/22		
Chloride	254	20.0	250		102	90-110					
LCS Dup (2234087-BSD1)						1	Prepared: 0	8/18/22 Analy	zed: 08/22/22		

250

20.0

102

90-110

0.741



### **QC Summary Data**

Pima Environmental Services-Carlsbad	Project Name:		eetle Juice 19 1058-0007	Fed 3		Reported:			
PO Box 247		Project Number:							
Plains TX, 79355-0247		Project Manager:	Т	om Bynum					8/24/2022 9:41:38AM
		Anions	by EPA	300.0/9056	4				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2234088-BLK1)							Prepared: 0	8/18/22 A	nalyzed: 08/22/22
Chloride	ND	20.0							
LCS (2234088-BS1)							Prepared: 0	8/18/22 A	nalyzed: 08/22/22
Chloride	245	20.0	250		97.8	90-110			
Matrix Spike (2234088-MS1)				Source:	E208102-	21	Prepared: 0	8/18/22 A	nalyzed: 08/22/22
Chloride	251	20.0	250	ND	100	80-120			
Matrix Spike Dup (2234088-MSD1)				Source:	E208102-	21	Prepared: 0	8/18/22 A	nalyzed: 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**

ſ	Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
l	PO Box 247	Project Number:	01058-0007	Reported:
l	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
Client: Pima Environment Project: Krolle Jun Project Manager: 1 Address: 5614 N. I City, State, Zip Hol

**Chain of Custody** 

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Printed: 8/18/2022 11:00:07AM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

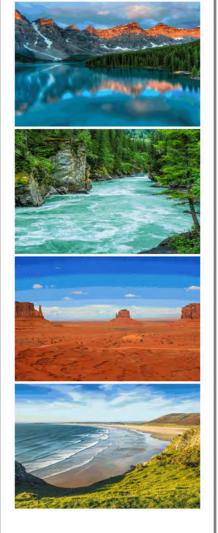
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Pima Environmental Services-Carlsbad Phone: (575) 631-6977					
Phone: (575) 631-6977	Date Received:	08/18/22	10:00	Work Order ID:	E208102
none. (575) 651 6577	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	Carrier: <u>U</u>	JPS	
4. Was the COC complete, i.e., signatures, dates/times, rec	uested analyses?	No		<del></del>	
5. Were all samples received within holding time?		Yes			
Note: Analysis, such as pH which should be conducte i.e, 15 minute hold time, are not included in this disude			ſ	Commen	ts/Resolution
Sample Turn Around Time (TAT)				No of containors not no	ravidad on COC
6. Did the COC indicate standard TAT, or Expedited TAT?		Yes		No. of containers not pr	rovided on COC.
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			
Was the sample received on ice? If yes, the recorded temp is 4     Note: Thermal preservation is not required, if sample minutes of sampling     If no visible ice, record the temperature. Actual sam	s are received w/i 15	Yes C			
Sample Container	pre temperature. <u>1</u>	<u> </u>			
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 contain	ers?	Yes			
19. Is the appropriate volume/weight or number of sample cor		Yes			
Field Label					
20. Were field sample labels filled out with the minimum is	nformation:				
Sample ID?		Yes			
Date/Time Collected?		Yes	l		
Collectors name?		Yes			
Sample Preservation					
21. Does the COC or field labels indicate the samples were	e preserved?	No			
22. Are sample(s) correctly preserved?	1 1 0	NA			
24. Is lab filteration required and/or requested for dissolve	d metals?	No			
Multiphase Sample Matrix					
26. Does the sample have more than one phase, i.e., multip	ohase?	No			
20. Does the sample have more than one phase, i.e., multip	nalvzed?	NA			
27. If yes, does the COC specify which phase(s) is to be an	) 200.				
27. If yes, does the COC specify which phase(s) is to be an		No			
27. If yes, does the COC specify which phase(s) is to be an Subcontract Laboratory	atory?	No NA	Subcontract Lab	: NA	

Date

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

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Donoutoda	
PO Box 247	Project Number:	01058-0007	Reported:	
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.



Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
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### CSW21 E211104-01

	E211104-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2247078
ND	0.0250	1	11/17/22	11/18/22	
ND	0.0250	1	11/17/22	11/18/22	
ND	0.0250	1	11/17/22	11/18/22	
ND	0.0250	1	11/17/22	11/18/22	
ND	0.0500	1	11/17/22	11/18/22	
ND	0.0250	1	11/17/22	11/18/22	
	102 %	70-130	11/17/22	11/18/22	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2247078
ND	20.0	1	11/17/22	11/18/22	
	97.1 %	70-130	11/17/22	11/18/22	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2247082
ND	25.0	1	11/17/22	11/18/22	
ND	50.0	1	11/17/22	11/18/22	
	105 %	50-200	11/17/22	11/18/22	
mg/kg	mg/kg	Anal	yst: KL		Batch: 2247095
ND	20.0	1	11/18/22	11/18/22	
	mg/kg ND Mg/kg ND mg/kg	Result         Reporting Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           mg/kg         mg/kg           MD         20.0           97.1 %         mg/kg           MD         25.0           ND         50.0           105 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           Mg/kg         mg/kg         Analy           ND         20.0         1           97.1 %         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           105 %         50-200           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/17/22           ND         0.0250         1         11/17/22           ND         0.0250         1         11/17/22           ND         0.0500         1         11/17/22           ND         0.0250         1         11/17/22           ND         0.0250         1         11/17/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/17/22           mg/kg         mg/kg         Analyst: RAS           ND         25.0         1         11/17/22           ND         50.0         1         11/17/22           ND         50.0         1         11/17/22           mg/kg         Mg/kg         Analyst: RAS	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/17/22         11/18/22           ND         0.0250         1         11/17/22         11/18/22           ND         0.0250         1         11/17/22         11/18/22           ND         0.0500         1         11/17/22         11/18/22           ND         0.0250         1         11/17/22         11/18/22           ND         0.0250         1         11/17/22         11/18/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/17/22         11/18/22           mg/kg         mg/kg         Analyst: RAS           ND         25.0         1         11/17/22         11/18/22           ND         50.0         1         11/17/22



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### CSW22

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.2 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		105 %	50-200	11/17/22	11/18/22	
	ma/ka	mg/kg	Analy	st: KL		Batch: 2247095
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Battern 22 17 0 7 0



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### CSW23

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		106 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247095



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### CSW24

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.5 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		106 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247095
·	ND	20.0		11/18/22	11/18/22	•



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### CSW25

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2247078
ND	0.0250	1	11/17/22	11/18/22	
ND	0.0250	1	11/17/22	11/18/22	
ND	0.0250	1	11/17/22	11/18/22	
ND	0.0250	1	11/17/22	11/18/22	
ND	0.0500	1	11/17/22	11/18/22	
ND	0.0250	1	11/17/22	11/18/22	
	107 %	70-130	11/17/22	11/18/22	
mg/kg	mg/kg	Analyst: RKS			Batch: 2247078
ND	20.0	1	11/17/22	11/18/22	
	96.5 %	70-130	11/17/22	11/18/22	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2247082
ND	25.0	1	11/17/22	11/18/22	
ND	50.0	1	11/17/22	11/18/22	
	106 %	50-200	11/17/22	11/18/22	
	7	Amala	yst: KL		Batch: 2247095
mg/kg	mg/kg	Allai	yst. KL		Batch: 2247093
	mg/kg  ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           mg/kg         mg/kg           MD         20.0           96.5 %         mg/kg           ND         25.0           ND         50.0	Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         20.0250         1           MB/kg         mg/kg         Anal           ND         20.0         1           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/17/22           ND         0.0250         1         11/17/22           ND         0.0250         1         11/17/22           ND         0.0250         1         11/17/22           ND         0.0500         1         11/17/22           ND         0.0250         1         11/17/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/17/22           mg/kg         mg/kg         Analyst: RAS           ND         25.0         1         11/17/22           ND         50.0         1         11/17/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/17/22         11/18/22           ND         0.0250         1         11/17/22         11/18/22           ND         0.0250         1         11/17/22         11/18/22           ND         0.0500         1         11/17/22         11/18/22           ND         0.0250         1         11/17/22         11/18/22           ND         0.0250         1         11/17/22         11/18/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/17/22         11/18/22           mg/kg         mg/kg         Analyst: RKS           ND         25.0         1         11/17/22         11/18/22           ND         25.0         1         11/17/22         11/18/22           ND         50.0         1         11/17/22         11/18/22



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### CSW26

Analyzed  11/18/22 11/18/22 11/18/22 11/18/22 11/18/22	Notes Batch: 2247078
11/18/22 11/18/22 11/18/22	Batch: 2247078
11/18/22 11/18/22 11/18/22	
11/18/22 11/18/22	
11/18/22	
11/19/22	
11/10/22	
11/18/22	
11/18/22	
	Batch: 2247078
11/18/22	
11/18/22	
	Batch: 2247082
11/18/22	
11/18/22	
11/18/22	
	Batch: 2247095
11/18/22	
	11/18/22 11/18/22 11/18/22 11/18/22



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### CSW27

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		102 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247095
	ND	20.0	1	11/18/22	11/18/22	



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### CSW28

Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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		
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	11/17/22	11/18/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2247078	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	11/17/22	11/18/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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		
Surrogate: n-Nonane		109 %	50-200	11/17/22	11/18/22		
		mg/kg	Analy	st: KL		Batch: 2247095	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	7 thary	St. TLE		Buten: 22 17075	



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### CSW29

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	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	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane		108 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2247095	
	ND	20.0		11/18/22	11/18/22	



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### CSW30

E211104-10
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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		115 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



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	11/21/2022 7:24:04AM

### CSW31

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		76.6 %	50-200	11/17/22	11/18/22	
	mg/kg	mg/kg	Analy	/st: KL		Batch: 2247095
Anions by EPA 300.0/9056A	mg/kg	mg/kg		<u> </u>		Battern 22 17 09 0



Chloride

### Sample Data

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	11/21/2022 7:24:04AM

#### CSW32

#### E211104-12 Reporting Analyte Result Limit Dilution Analyzed Notes Prepared Analyst: RKS Batch: 2247078 mg/kg mg/kg Volatile Organics by EPA 8021B 11/17/22 11/18/22 ND 0.0250 Benzene 1 11/17/22 11/18/22 Ethylbenzene ND 0.0250ND 0.02501 11/17/22 11/18/22 Toluene 1 11/17/22 11/18/22 o-Xylene ND 0.02501 11/17/22 11/18/22 ND 0.0500 p,m-Xylene 11/17/22 11/18/22 1 Total Xylenes ND 0.0250107 % 11/17/22 11/18/22 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: RKS Batch: 2247078 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 11/17/22 11/18/22 ND 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 79.9 % 11/17/22 11/18/22 70-130 mg/kg mg/kg Analyst: RAS Batch: 2247082 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 11/17/22 11/18/22 Diesel Range Organics (C10-C28) ND 11/17/22 11/18/22 Oil Range Organics (C28-C36) 50.0 1 11/17/22 11/18/22 Surrogate: n-Nonane 83.1 % 50-200 Analyst: KL Batch: 2247095 Anions by EPA 300.0/9056A mg/kg mg/kg

20.0

1

11/18/22

11/18/22

ND



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	11/21/2022 7:24:04AM

### CS1

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		80.6 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		84.7 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



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	11/21/2022 7:24:04AM

### CS2

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.0 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		86.6 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2247095
	ND			11/18/22	11/18/22	



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	11/21/2022 7:24:04AM

### CS3

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		80.1 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		82.7 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247095
	ND	20.0	1	11/18/22	11/18/22	



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	11/21/2022 7:24:04AM

### CS4

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.5 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		81.5 %	50-200	11/17/22	11/18/22	
	Л		Δnalv	st: KL		Batch: 2247095
Anions by EPA 300.0/9056A	mg/kg	mg/kg	2 thary	ot. ICE		Datell. 2247073



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	11/21/2022 7:24:04AM

### CS5

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.5 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		82.8 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2247095
· · · · · · · · · · · · · · · · · · ·	ND	20.0	1	11/18/22	11/18/22	•



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	11/21/2022 7:24:04AM

### CS6

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		77.1 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		82.2 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2247095
	· · · · · · · · · · · · · · · · · · ·	·	·		11/18/22	·



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	11/21/2022 7:24:04AM

### CS7

		Domontino				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.3 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		81.8 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247095
·	ND	20.0		11/18/22	11/18/22	



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	11/21/2022 7:24:04AM

### CS8

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2247078
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		79.2 %	70-130	11/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: n-Nonane		81.7 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: KL		Batch: 2247095
11110115 By E11100010/200011						



# **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

Plains TX, 79355-0247		Project Manager:	То	om Bynum				11	/21/2022 7:24:04AM
		Volatile O	rganics b	y EPA 802	1B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247078-BLK1)							Prepared: 1	1/17/22 Ana	alyzed: 11/18/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,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: 1	1/17/22 Ana	alyzed: 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			
p-Xylene	5.12	0.0250	5.00		102	70-130			
o,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: 1	1/17/22 Ana	alyzed: 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	
o,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	



# **QC Summary Data**

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

Plains TX, 79355-0247		Project Manage	r: To	om Bynum				11/2	1/2022 7:24:04A
	Non	halogenated	Organics	by EPA 80	15D - G	RO		A	Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247078-BLK1)						]	Prepared: 1	1/17/22 Analy	yzed: 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)						1	Prepared: 1	1/17/22 Analy	zed: 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)						1	Prepared: 1	1/17/22 Analy	zed: 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-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/20227:24:04AM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				11	/21/2022 7:24:04AN
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247082-BLK1)							Prepared: 1	1/17/22 Ana	lyzed: 11/18/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	42.2		50.0		84.4	50-200			
LCS (2247082-BS1)							Prepared: 1	1/17/22 Ana	lyzed: 11/18/22
Diesel Range Organics (C10-C28)	219	25.0	250		87.6	38-132			
urrogate: n-Nonane	42.0		50.0		84.0	50-200			
Matrix Spike (2247082-MS1)				Source:	E211104-1	11	Prepared: 1	1/17/22 Ana	lyzed: 11/18/22
Diesel Range Organics (C10-C28)	216	25.0	250	ND	86.3	38-132			
urrogate: n-Nonane	41.9		50.0		83.9	50-200			
Matrix Spike Dup (2247082-MSD1)				Source:	E211104-1	11	Prepared: 1	1/17/22 Ana	lyzed: 11/18/22
Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.8	38-132	1.68	20	
'urrogate: n-Nonane	42.1		50.0		84.2	50-200			



Chloride

Chloride

LCS Dup (2247095-BSD1)

### **QC Summary 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 7:24:04AM			
		Anions l	oy EPA	300.0/9056	<b>A</b>				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2247095-BLK1)	mg/kg	mg/kg	mg/kg	mg/kg	<sup>%</sup> 0				nalyzed: 11/18/22
Chloride	ND	20.0					F		,
LCS (2247095-BS1)							Prepared: 1	1/18/22 Ar	nalyzed: 11/18/22

250

250

256

257

20.0

20.0

90-110

90-110

0.326

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

102

103

#### 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.



roject Inf	formation					Chain	of Custody												Pa	age <u></u>	of 16
Client: P	Ma Envir	onine	ntal.	<del></del>	5.58	Bill To		( 18.0 kg		Lab	Use	e Onl	V.	86 1948 c	7 1		TA	T	· · · I	EPA P	rogram
Project: <b>F</b>	Rootlo Tu	100 10	L Lod	3		ttention:		Lab	WO#			Job N	lumb	er	1D	2D	3D	Stan	dard	CWA	SDWA
Project M	anager: To 5614 N 2, Zip + Ool 80-748	w Byr	num_	<del></del> .	10000	ddress:		EZ	2111(	74				000					12507		
<u>Address:</u> City State	Zin Hohi	COVIN	NOTON 1	η <i>ν</i> 4117		ity, State, Zip hone:		-		_	$\dashv$	Analys T	is and	d Metho	od T	Γ	г - г				RCRA
Phone: 5	BD-748	-1613	N DUL	<u>-10</u>	1000	mail:	·	5	51									<u></u>		State	<u> </u>
<u>Email: +0</u>	<u>w doin</u>	Aoil.	DM				<del></del>	y 80	y 801	ᇳᅵ	.	٦	8		-	Ì		N	vi co	UT AZ	TX
Report du	ie by:		<del></del>	<del></del>	P	roject# 1-147		80 b	RO b	<u>8</u>	,8 <u>2</u> 6	901	e 30		₹	l	8   E		'		
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	
:40	11/16/22	S	1	csw21											X						<u> </u>
:45				CSW22	<u> </u>		2								1						
1:50				CSW 23	3		3														
1:50				CSW 21	4		4												_		
Q:00				CSW 23	3		5								$\prod$						-
2:05				CSW 21	•		(Q)														
2:10				CSW 2	7		7								$\prod$						
コ:ば				CSW 28			8													_	
2:20				csw 29			9														
2:25				CSW 31	)		10								J						
	l Instruction			Billir	Va#	2D94B131															
ate or time (	of collection is co	nsidered frau	ud and may b	of this sample. I am e grounds for legal a	aware tha action.	t tampering with or intentionally mislabellin Sampled by: Scott	g the sample locati	on,											he day they equent days	are sampled	or received
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envirotech 388

Project Manager. Tom Synamon Address: Sull M. Nouvanton Husy City, State, Zio Holdos, NAM 887410 Phone: Email: Project 4 1-111  Project 4 1-1111	Project In	formation					Chain d	of Custody												Pa	<sub>аде</sub> <u>Ц</u>	_ of
Email: 19th 42   Project #   -   127     2   2   3   4   4   4   4   4   4   4   4   4	Client: C	iMA Fori	COOM	enta l			Bill To	_ <del></del>	32.76	oriosa A	Lal	b Us	e On	lv	Marie Constitution	W.C.		T/	AT .	1	EPA P	rogram
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2:40  2:40  CS 2  14  CS 3  15  CS 3  2:55  CS 4  16  3:05  CS 5  CS 5  17  3:05  CS 7  19  3:// S  Additional Instructions:  Silling # 2D94813  CS 7  19  3:// S  CS 8  Additional Instructions:  Silling # 2D94813  CS 7  Sampler, attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, sampler requiring thermal preservation must be received on lee the day they are sampled or relate or time of collection is considered fraud and may be grounds for legal action.  Sampler requiring thermal preservation must be received on lee the day they are sampled or relate or time of collection is considered fraud and may be grounds for legal action.  Sampled by: Signature)  Date   Time   Received by: (Signature)   Date   Time   Time	7 .35	1	1	1				12								j						
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3:/5  Additional Instructions:  Billing # 2D9U8131  (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, samples requiring thermal preservation must be received on ice the day they are sampled or repair of collection is considered fraud and may be grounds for legal action.  Sampled by: (Signature)  Abiling IIII   Date   Time   Received by: (Signature)   Date   IIIII   Date   IIIIII   Date   IIIIIII   Date   IIIIIII   Date   IIIIIII   Date   IIIIIII   Date   IIIIIII   Date   IIIIIIII   Date   IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	3: <b>00</b>				<u>CS 5</u> .			17			_					1	_					
3:/5  Additional Instructions:  Billing # 2D9U8131  (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, samples requiring thermal preservation must be received on ice the day they are sampled or repaired in ice at an avg temp above 0 but less than 6 "Con subsequent days.  Relinquished by: (Signature)  Date   Time   Received by: (Signature)   Date   Time   Received by: (Signature)   Date   Time   Received by: (Signature)   Date   Time   Received by: (Signature)   Date   Time   Received by: (Signature)   Date   Time   Received by: (Signature)   Date   Time   Received by: (Signature)   Date   Time   Received by: (Signature)   Date   Time   Received by: (Signature)   Date   Time   Received by: (Signature)   Date   Time   AVG.Temp "C # AVG.Temp "C	3:05				CS 6			18														
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Additional Instructions:    Billing # 2D9U813    Grield sampler), attest to the validity and authenticity of this sample.   I am aware that tampering with or intentionally mislabelling the sample location,   Samples requiring thermal preservation must be received on ice the day they are sampled or repacked in ice at an avg temp above 0 but less than 6 °C on subsequent days.    Samples requiring thermal preservation must be received on ice the day they are sampled or repacked in ice at an avg temp above 0 but less than 6 °C on subsequent days.    Samples requiring thermal preservation must be received on ice the day they are sampled or repacked in ice at an avg temp above 0 but less than 6 °C on subsequent days.    Packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.    Lab Use Only   Received on ice:   D N   Received by: (Signature)   Date   Time   Date	3: <b>/5</b>				C9 B			20														
(field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, samples requiring thermal preservation must be received on ice the day they are sampled or repacked in ice at an avg temp above 0 but less than 6 °C on subsequent days.    Samples requiring thermal preservation must be received on ice the day they are sampled or repacked in ice at an avg temp above 0 but less than 6 °C on subsequent days.    Samples requiring thermal preservation must be received on ice the day they are sampled or repacked in ice at an avg temp above 0 but less than 6 °C on subsequent days.    Pate		al Instruction	ns:	0.11		חאנו	0101			•					•	•	•		•			
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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												_		_			_					



envirotech Inc.

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

### **Envirotech Analytical Laboratory**

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 0	6:30	Work Order ID:	E211104
Phone:	(575) 631-6977	Date Logged In:	11/17/22 1	4:58	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 1	7:00 (0 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location mat	ch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: C	'ourier	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier. <u>c</u>	<u>ourier</u>	
	Il samples received within holding time?	,	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.			,	Comme	nts/Resolution
Sample T	<u>urn Around Time (TAT)</u>				Duniant Dantla Inian 10	Fed 2 has been
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Project Beetle Juice 19	
Sample C					separated into 8 report	S.
	sample cooler received?		Yes		E211103/E211104/E21	1105/E211106/E211
8. If yes,	was cooler received in good condition?		Yes		107/E211108/E211109	/E211110. COC
9. Was the	e sample(s) received intact, i.e., not broken?		Yes		received with white ou	
10. Were	custody/security seals present?		No			it on time sampled
11. If yes,	were custody/security seals intact?		NA		by client.	
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C		temperature. 1	<u>~</u>			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers'	)	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · · · · · · · · · · · · · · · · · ·	iers conceteu.	103			
	field sample labels filled out with the minimum info	rmation				
	ample ID?	imution.	Yes			
	ate/Time Collected?		Yes	l		
C	ollectors name?		No			
Sample P	reservation_					
21. Does	the COC or field labels indicate the samples were pr	eserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved m	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA			
	act Laboratory					
	amples required to get sent to a subcontract laborato	m.19	No			
	subcontract laboratory specified by the client and if	-		Subcontract Lab	no.	
		30 WIIO.	1421	Subcontract Lab	. на	
Client In	<u>istruction</u>					

Date

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

Report to: Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

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Technical Representative/Client Services

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Donoutoda
PO Box 247	Project Number:	01058-0007	Reported:
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.



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### CS9

		E211103-01					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2247079
Benzene	ND	0.0250	1		11/17/22	11/18/22	Batem 22 17 07 7
Ethylbenzene	ND	0.0250	1	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	l	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	RAS		Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	11/17/22	11/18/22	
Surrogate: n-Nonane		104 %	50-200		11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247096
Chloride	ND	20.0	1	1	11/18/22	11/18/22	



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	11/21/2022 10:51:12AM

### **CS10**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepar	red Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247096
Amons by ETA 300.0/7030A						



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### **CS11**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2247096
Chloride	ND	20.0		1	11/18/22	11/18/22	



ſ	Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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	Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 10:51:12AM

### **CS12**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247096
Amons by ETA 500.0/3030A						



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### **CS13**

		Reporting					
Analyte	Result	Limit	Dilut	ion Prep	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS			Batch: 2247079
Benzene	ND	0.0250	1	11/1	17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/1	7/22	11/18/22	
Toluene	ND	0.0250	1	11/1	17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/1	17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/1	17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/1	17/22	11/18/22	
Surrogate: Bromofluorobenzene		97.5 %	70-130	11/1	7/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	11/1	7/22	11/18/22	
Surrogate: Toluene-d8		99.4 %	70-130	11/1	17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS			Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/1	17/22	11/18/22	
Surrogate: Bromofluorobenzene		97.5 %	70-130	11/1	7/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	11/1	7/22	11/18/22	
Surrogate: Toluene-d8		99.4 %	70-130	11/1	17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: RAS			Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/1	17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/1	17/22	11/18/22	
Surrogate: n-Nonane		106 %	50-200	11/1	17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247096
Allions by ETA 500.0/3030A							



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### **CS14**

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RI	ζS		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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RI	ΚS		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: RA	AS		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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KI	L		Batch: 2247096



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### **CS15**

		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247096
Chloride	ND	20.0		1	11/18/22	11/18/22	



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### **CS16**

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2247096
Allons by EPA 500.0/9050A						



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### **CS17**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2247096
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							



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### **CS18**

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
	mg/kg	mg/kg	A	analyst: KL		Batch: 2247096
Anions by EPA 300.0/9056A	mg/kg					Batteri 22 17 09 0



Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
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### **CS19**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247096



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

### **CS20**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
A: b EDA 200 0/005 ( A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247096
Anions by EPA 300.0/9056A						



Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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#### **CS21**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2247096
Chloride	ND	20.0		1	11/18/22	11/18/22	



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#### **CS22**

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247096
Chloride	ND	20.0		1	11/18/22	11/18/22	



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#### **CS23**

		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2247096
Chloride	ND	20.0		1	11/18/22	11/18/22	



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#### **CS24**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2247096
		20.0		1	11/18/22	11/18/22	

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#### **CS25**

		Reporting					
Analyte	Result	Limit	Dilut	tion Prepa	ared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS			Batch: 2247079
Benzene	ND	0.0250	1	11/17	7/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17	7/22	11/18/22	
Toluene	ND	0.0250	1	11/17	7/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17	7/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17	7/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17	7/22	11/18/22	
Surrogate: Bromofluorobenzene		98.8 %	70-130	11/17	7/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	11/17	7/22	11/18/22	
Surrogate: Toluene-d8		100 %	70-130	11/17	7/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS			Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17	7/22	11/18/22	
Surrogate: Bromofluorobenzene		98.8 %	70-130	11/17	7/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	11/17	7/22	11/18/22	
Surrogate: Toluene-d8		100 %	70-130	11/17	7/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: RAS			Batch: 2247083
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17	7/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17	7/22	11/18/22	
Surrogate: n-Nonane		105 %	50-200	11/17	7/22	11/18/22	
		/1		A 14. IZI			Batch: 2247096
Anions by EPA 300.0/9056A	mg/kg	mg/kg	F	Analyst: KL			Batch: 224/096



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#### **CS26**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	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	
	mg/kg	mg/kg	Α	analyst: KL		Batch: 2247096
Anions by EPA 300.0/9056A	mg ng	gg		,		



ſ	Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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	Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 10:51:12AM

#### **CS27**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	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	
	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247096
Anions by EPA 300.0/9056A	mg ng	88				



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#### **CS28**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247096



### **QC Summary Data**

Beetle Juice 19 Fed 3 Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007

Plains TX, 79355-0247		Project Manage	r: To	om Bynum				11/2	21/2022 10:51:12AM
	V	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247079-BLK1)							Prepared: 1	1/17/22 Anal	yzed: 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: 1	1/17/22 Anal	yzed: 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: 1	1/17/22 Anal	yzed: 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	
o,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			
m. ogme. Tomene no	0.771								



### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/2022 10:51:12AM

	Non	halogenated (	Organics l	by EPA 80	15D - G	RO			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

Blank (2247079-BLK1)						Prepared: 11	/17/22 Analy	zed: 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 Analy	zed: 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 Analy	zed: 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-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/2022 10:51:12AM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				11	/21/2022 10:51:12A
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247083-BLK1)							Prepared: 1	1/17/22 An	alyzed: 11/18/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	51.4		50.0		103	50-200			
LCS (2247083-BS1)							Prepared: 1	1/17/22 An	alyzed: 11/19/22
Diesel Range Organics (C10-C28)	238	25.0	250		95.3	38-132			
urrogate: n-Nonane	52.0		50.0		104	50-200			
Matrix Spike (2247083-MS1)				Source:	E211105-0	)4	Prepared: 1	1/17/22 An	alyzed: 11/19/22
Diesel Range Organics (C10-C28)	242	25.0	250	ND	97.0	38-132			
urrogate: n-Nonane	49.5		50.0		98.9	50-200			
Matrix Spike Dup (2247083-MSD1)				Source:	E211105-0	)4	Prepared: 1	1/17/22 An	alyzed: 11/19/22
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.6	38-132	0.393	20	
'urrogate: n-Nonane	51.6		50.0		103	50-200			



LCS Dup (2247096-BSD1)

Chloride

257

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

### **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:	0	Beetle Juice 19 1058-0007	Fed 3			1	Reported:
Plains TX, 79355-0247		Project Manager:  Anions I		om Bynum 300.0/9056	<u> </u>				1/21/2022 10:51:12AM  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 Notes
Blank (2247096-BLK1)							Prepared: 1	1/18/22 Ar	nalyzed: 11/18/22
Chloride	ND	20.0							
LCS (2247096-BS1)							Prepared: 1	1/18/22 Ar	nalyzed: 11/18/22
Chloride	255	20.0	250		102	90-110			

250

20.0

103

90-110

0.717

#### 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.



ient: Pima Fovironmental roject: Reetle Tuice 19 Fed 3 Attention:																		EPA Program		
roject: <b>f</b>	ma envi Seetle 5	nice ronm	9 Fed	3	Atten	tion:		Lab \	wo#			Job Number			1D	1D 2D 3D		T Standard	EPA P CWA	rogram SDWA
roject M ddress: ity, State	lanager: To 5614 N e, Zip Hor	pozivi Toriv W RA	num atoni M,88	100 240	Phone	State, Zip e:			ATT.	05  -				d Meth		 				RCRA
nail: to	80-74 me pin le by:				Email Pro	siect* 1-147		DRO/ORO by 8015	GRO/DRO by 8015	втех by 8021	VOC by 8260	6010	Chloride 300.0		WN-C		TCEQ 1005 TX-TPH	NM CO	State UT AZ	TX
Time ampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/C	GRO/C	втех	VOC	Metals 6010	Chloric		BGDOC - NM		TCEQ 10		Remarks	
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inquishe	d by (Signator)	uxuk		17-22 Time	20 2	ecolved by: Signature)	Date //8/			:30	_ (	T1			<u>T2</u>			T3		
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lient: Pima Environmen	Bill To		1. 1. 0.1 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	A Sale	Lab U	se Or	lly.	an san de			TAT		EPA P	rogram
Project: Reetle Suice 19 Foriginal Manager: Tom Synus Address: Slely N. by inchon	Attention: Address: City, State, Zip		Lab W E2	/0#  1   C	5	Job O\C Analy	Numb	er ©007 d Method	1D <b>%</b>	2D 3	BD S	Standard	CWA	SDW RCR
Project: Perfe Suice 19 Foroject: Beetle Suice 19 Foroject Manager: Tom Synus Address: Slot N by inglon Lity, State, Zip HO003, NM, Bohone: 580-748-1613 Email: Tom Opmabil. Com			by 8015	oy 8015	9						Hall-×	NM CO	State UT AZ	
Report due by:  Time   Date Sampled   Matrix   No. of Container	Sample ID	Lab Number	DRO/ORO by	GRO/DRO by 8015 BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM		TCEQ 1005 TX-TPH	X	Remarks	
4:10 11/16/22 S 1	CS 19 ·								x					
4:15	cs 2D	12							1					
4:20	cs 21	13												
:25	09.22	14								_		<u> </u>		
1:30	CS 23	15						_						
1:35	cs 24	16		_		_								
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1:45	CS 26	18		$\perp$	_									
1:50	CS 27	19		4										
1:55	CS 28	20												
(field sampler), attest to the validity and authenticities or time of collection is copsidered fraud and ma	ty of this sample. I am aware that tampering with or intentionally mislabelling by be grounds for legal action.  Sampled by: Scott +	the sample locati	ion,									on ice the day the	-	or receive
elinquished by: (Signature)	te 1/17/22 Time Received by: (Signature) Received by: (Signature)	_   Date   11-17-	22 Ti	733	7	Rece	eived	on ice:	la (Y)	b Use ) N	Only			
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elinquished by: (Signature) Da	te Time Received by: (Signature)	Date	Tis	me		AVG	Temp	<i>4</i>						



envirotech environment

envirotech Inc.

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

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

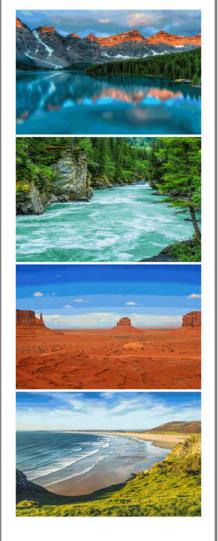
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06	i:30	Work	Order ID:	E211105
Phone:	(575) 631-6977	Date Logged In:	11/17/22 15	:05	Logge	ed In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17	7:00 (0 day TAT)			
1. Does th 2. Does th 3. Were so 4. Was th 5. Were a	Custody (COC)  ne sample ID match the COC? ne number of samples per sampling site location ma amples dropped off by client or carrier? ne COC complete, i.e., signatures, dates/times, reque ll samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi	sted analyses?	Yes Yes Yes Yes Yes	Carrier: <u>C</u>			s/Resolution
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Project Beetle J		
9. Was the 10. Were 11. If yes, 12. Was the 13. If no visual 14. Are and 15. Are Visual 16. Is the 17. Was a 18. Are no	cooler cample cooler received? was cooler received in good condition? e sample(s) received intact, i.e., not broken? custody/security seals present? were custody/security seals intact? e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample container queous VOC samples present? OC samples collected in VOA Vials? head space less than 6-8 mm (pea sized or less)? trip blank (TB) included for VOC analyses? on-VOC samples collected in the correct containers appropriate volume/weight or number of sample contai	e received w/i 15 e temperature: 4°0	Yes Yes Yes No NA Yes  No NA Yes Yes		107/E211108/E	04/E211 211109/J	105/E211106/E211
Field Lat	• • • • • • • • • • • • • • • • • • • •	ners conecteur	168				
S: D C	field sample labels filled out with the minimum info ample ID? ate/Time Collected? ollectors name?	ormation:	Yes Yes No				
	<u>Preservation</u> the COC or field labels indicate the samples were p	recerved?	No				
22. Are sa	ample(s) correctly preserved?  filteration required and/or requested for dissolved r.		No NA No				
26. Does 27. If yes Subcontr 28. Are sa 29. Was a	the sample Matrix the sample have more than one phase, i.e., multiphat, does the COC specify which phase(s) is to be analysect Laboratory amples required to get sent to a subcontract laborator subcontract laboratory specified by the client and instruction	yzed? ory?	No NA No NA S	Subcontract Lab	: na		

Date

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

Report to: Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

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Technical Representative/Client Services

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Donoutoda
PO Box 247	Project Number:	01058-0007	Reported:
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.



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	11/21/2022 11:08:13AM

#### **CS49**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/18/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.4 %	70-130	11/18/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		112 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/18/22	



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	11/21/2022 11:08:13AM

#### **CS50**

		Domontino				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.1 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		112 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247100
	ND	20.0		11/18/22	11/18/22	



Ī	Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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#### **CS51**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.1 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		111 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/18/22	•



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#### **CS52**

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.5 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Surrogate: n-Nonane		117 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2247100
Chloride	29.5	20.0	1	11/18/22	11/18/22	•



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#### **CS53**

Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.2 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		109 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	_



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#### **CS54**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.4 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		104 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2247100
	ND	20.0	•	11/18/22	11/19/22	•



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#### **CS55**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		79.9 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		105 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2247100
	ND	20.0	1	11/18/22	11/19/22	•



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#### **CS56**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		80.5 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		101 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



Ī	Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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#### **CS57**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		104 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2247100
Millions by E171 500:0/7050/1						



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#### **CS58**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.8 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		106 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	•



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#### **CS59**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.7 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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	
Surrogate: n-Nonane		106 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2247100



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#### **CS60**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.4 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		106 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



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#### **CS61**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		80.0 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		104 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247100
Chloride	20.7	20.0	1	11/18/22	11/19/22	



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#### **CS62**

		Domontino				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.6 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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	
Surrogate: n-Nonane		103 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2247100
	ND	20.0		11/18/22	11/19/22	



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	11/21/2022 11:08:13AM

#### **CS63**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.0 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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	
Surrogate: n-Nonane		105 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	•



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	11/21/2022 11:08:13AM

#### **CS64**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.6 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		107 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



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	11/21/2022 11:08:13AM

#### **CS65**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.1 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: n-Nonane		103 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2247100
amons by Elitection / Octob						



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	11/21/2022 11:08:13AM

#### **CS66**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		78.6 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Surrogate: n-Nonane		103 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	



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	11/21/2022 11:08:13AM

#### **CS67**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.6 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: 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	
Surrogate: n-Nonane		98.1 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: KL		Batch: 2247100
Chloride	ND	20.0	1	11/18/22	11/19/22	•



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	11/21/2022 11:08:13AM

#### **CS68**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2247103
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.3 %	70-130	11/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: n-Nonane		103 %	50-200	11/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2247100
Allions by EFA 500.0/9050A						



### **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

PO Box 247 Plains TX, 79355-0247		Project Number: Project Manager:		om Bynum				1	1/21/2022 11:08:13A			
	Volatile Organics by EPA 8021B											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2247103-BLK1)							Prepared: 1	1/18/22 Ar	nalyzed: 11/18/22			
Benzene	ND	0.0250										
Ethylbenzene	ND	0.0250										
Toluene	ND	0.0250										
o-Xylene	ND	0.0250										
o,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: 1	1/18/22 Ar	nalyzed: 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						
o,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: 1	1/18/22 Ar	nalyzed: 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				
p-Xylene	4.59	0.0250	5.00		91.9	70-130	0.232	20				
o,m-Xylene	9.18	0.0500	10.0		91.8	70-130	0.398	20				
	12.0		150		01.0	70-130	0.343	20				
Total Xylenes	13.8	0.0250	15.0		91.8	/0-130	0.343	20				



### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/2022 11:08:13AM

	Non	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247103-BLK1)						F	repared: 1	1/18/22 Ana	llyzed: 11/18/22

Diank (224/105-DEIXI)						r repared. r	1/10/22 71	aryzed. 11/16/22
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: 1	1/18/22 Ar	alyzed: 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: 1	1/18/22 Ar	alyzed: 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-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/2022 11:08:13AM

Plains 1X, /9355-024/		Project Manage	r: 10	m Bynum				1	1/21/2022 11:08:13A
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247085-BLK1)							Prepared: 1	1/17/22 Aı	nalyzed: 11/18/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	54.0		50.0		108	50-200			
LCS (2247085-BS1)							Prepared: 1	1/17/22 Aı	nalyzed: 11/18/22
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
urrogate: n-Nonane	50.5		50.0		101	50-200			
Matrix Spike (2247085-MS1)				Source:	E211107-1	19	Prepared: 1	1/17/22 Aı	nalyzed: 11/18/22
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132			
urrogate: n-Nonane	51.6		50.0		103	50-200			
Matrix Spike Dup (2247085-MSD1)				Source:	E211107-1	19	Prepared: 1	1/17/22 Aı	nalyzed: 11/18/22
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	4.02	20	
Gurrogate: n-Nonane	48.7		50.0		97.4	50-200			



Chloride

### **QC Summary Data**

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

		Anions	by EPA 3	00.0/9056	4			Analyst: KL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2247100-BLK1)							Prepared: 1	1/18/22 Analy	/zed: 11/18/22	
Chloride	ND	20.0								
LCS (2247100-BS1)							Prepared: 1	1/18/22 Analy	zed: 11/18/22	
Chloride	254	20.0	250		102	90-110				
LCS Dup (2247100-BSD1)							Prepared: 1	1/18/22 Analy	zed: 11/18/22	

250

20.0

103

90-110

1.19

20

258

#### 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.



Client: Pima Envi	Conn	nenta	u la	Bill To		80.45	Mark 1	La	b Us	e On	ly :	1,45		TAT		EPA P	rogram
Client: Pima Envi Project: Beetle Ti	<u> ice l</u>	9 Fed	<u>3</u>	Attention:		Lab V	VO#			Job I	lumber	_ 1D	2D		Standard	CWA	SDW
Project Manager: Tor	n BV	num		Address:		lab V E 2	111	07			58-000						
Address: 5614 N	-lox!	jator		City, State, Zip		<u> </u>			/	Analy	sis and Met	hod					RCR/
City, State, Zip <b>Holok</b> Phone: <b>580-148</b>			<u> </u>	Phone:		]										<u></u>	ļ
mail: tom@Dim				Email:		8015	8015					İ		<b>1 3 1</b>	NM CO	State	I TV I
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Time Date Sampled	Matrix	No. of Containers	Sample ID		Lab	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM		CEQ 1005 TX-TPH		Remarks	
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Additional Instruction	$\mathcal{R}^{s}$	llina	#2094	R121													
(field sampler), attest to the v				re that tampering with or intentionally mislabel	ling the sample locat	ion,				amples	requiring therm	al preservati	ion must	be received	d on ice the day the	y are sampled	or received
ate or time of collection is con										acked i	n ice at an avg to	mp above 0	but less	than 6 °C	on subsequent day	š.	
lelinguistled by: (Signature	and	Date	17/22 Time 33	7 Received by: (Signature)		22	ime [33	?7		Rece	ived on ice		ab Us ク N	e Only			102.13
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Client: Pia	na Env	icon	ment	ما	431	Bill To		483		Lab	Use	Only		3455			TAT		EPA P	rogram
Project: Se Project Man Address: 51 City, State, Z	eHe Ji	ice l'	9 Fed	3_		tention:		Lab	WO#		J	ob Nu				2D 3	D 9	Standard	CWA	SDW
Project Man	ager: To	<del>س بر</del> ا	win	<u>)                                     </u>		ddress:		<b>E2</b>	21112	<u>77 (</u>		<u> 20K</u>			メ					
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Report due b					P	roject #1-147		Š ģ	0 6	807	8260	6015			<u>\$</u>	1 2		X		
Time Dat	te Sampled	Matrix	No. of Containers	Sample ID		•	Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010			BGDOC - NM	Mat VI soot Can			Remarks	
7:40 11	116/22	S	1	CS 5	7		11								X					
7: <b>4</b> 5	1		1	CS 61			12								7					
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3:20				CS 6			19													
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(field samples)	attest to the	alidity and	UI	of this sample 1	LUT	10131	ing the cample locat	ion	<del></del> -		lc.	mnles rec	udring sh	ermal era	centatio	n must ha	acaiva-l	on ice the day the	wass sampled	or nonchire d
late or time of co	ollection is con	sidered fra	ud and may b	e grounds for le	gal action.	tampering with or intentionally mislabeli	H.											on ice the day the in subsequent day		o, IdealAad
Relinquished by	y: (Signature	and	Date	1/1/22	1337	Received by: (Signarure)	- 11-17-		TT33	7	R	eceive	ed on	ice.	la (D)	b Use (	Only			
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	C-:1 C-1 C-1	id Co Chid	lao A Acres	ous, O - Other _			Container								William in	<u> </u>			Name 1	



envirotech Inc.

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

#### **Envirotech Analytical Laboratory**

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 0	06:30	Work Order ID:	E211107
Phone:	(575) 631-6977	Date Logged In:	11/17/22 1	5:08	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 1	17:00 (0 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location mat	ch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: C	`ourier	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	carrier. <u>c</u>	<u>courrer</u>	
	Il samples received within holding time?	,	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.				<u>Comme</u>	nts/Resolution
Sample T	<u>urn Around Time (TAT)</u>				Duniant Dantla Inian 16	) End 2 has been
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Project Beetle Juice 19	
Sample C					separated into 8 report	S.
7. Was a s	sample cooler received?		Yes		E211103/E211104/E2	11105/E211106/E211
8. If yes,	was cooler received in good condition?		Yes		107/E211108/E211109	9/E211110. COC
9. Was the	e sample(s) received intact, i.e., not broken?		Yes		received with white or	
10. Were	custody/security seals present?		No			it on time sampled
11. If yes,	were custody/security seals intact?		NA		by client.	
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C		temperature. 1	<u>~</u>			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers'	)	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lat		iers conceteu.	103			
	field sample labels filled out with the minimum info	rmation				
	ample ID?	imution.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		No			
Sample P	reservation_					
21. Does	the COC or field labels indicate the samples were pr	eserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved m	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multiphase	se?	No			
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcontr	act Laboratory					
	amples required to get sent to a subcontract laborator	rv?	No			
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	n na	
		oo waa	- 1112	Subcontract Lac	, nu	
Chent ir	<u>astruction</u>					

Date

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

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

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Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	Keporteu:
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.

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	11/21/2022 12:55:39PM

#### CS109

		1.211110 01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	

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	11/21/2022 12:55:39PM

#### **CS110**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.9 %	70-130	11/18/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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		99.4 %	50-200	11/18/22	11/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	•



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	11/21/2022 12:55:39PM

#### CS111

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.9 %	70-130	11/18/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	

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	11/21/2022 12:55:39PM

#### **CS112**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	11/18/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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		104 %	50-200	11/18/22	11/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247115
11110115 8 / 121110 0000/500011						



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	11/21/2022 12:55:39PM

#### CS113

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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		99.8 %	70-130	11/18/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.7 %	70-130	11/18/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
A	mg/kg	mg/kg	Analy	yst: KL		Batch: 2247115
Anions by EPA 300.0/9056A	<sub>6</sub> <sub>6</sub>	8 8				



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	11/21/2022 12:55:39PM

#### **CS114**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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		102 %	50-200	11/18/22	11/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2247115
imons by Eliteoutory deart						



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	11/21/2022 12:55:39PM

#### **CS115**

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
o,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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.7 %	70-130	11/18/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: 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		100 %	50-200	11/18/22	11/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	



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	11/21/2022 12:55:39PM

#### CS116

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: KL		Batch: 2247115
· · · · · · · · · · · · · · · · · · ·	ND	20.0		11/18/22	11/19/22	•



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	11/21/2022 12:55:39PM

#### CS117 E211110-09

#### Reporting Analyte Result Limit Dilution Prepared Analyzed Notes mg/kg mg/kg Analyst: RKS Batch: 2247106 Volatile Organics by EPA 8021B 11/18/22 11/20/22 ND 0.0250Benzene 1 11/18/22 11/20/22 Ethylbenzene ND 0.025011/20/22 ND 0.0250 1 11/18/22 Toluene 1 11/18/22 11/20/22 ND o-Xylene 0.0250ND 1 11/18/22 11/20/22 0.0500p,m-Xylene 11/20/22 11/18/22 1 Total Xylenes ND 0.025011/20/22 101 % 11/18/22 70-130 ${\it Surrogate: 4-Bromochlorobenzene-PID}$ Analyst: RKS mg/kg mg/kg Batch: 2247106 Nonhalogenated Organics by EPA 8015D - GRO

Gasoline Range Organics (C6-C10)	ND	20.0		1	11/18/22	11/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130		11/18/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		97.3 %	50-200		11/18/22	11/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2247115

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	11/21/2022 12:55:39PM

#### **CS118**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.9 %	70-130	11/18/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: 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		98.2 %	50-200	11/18/22	11/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	•



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	11/21/2022 12:55:39PM

#### **CS119**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: KL		Batch: 2247115
Amons by ETA 500.0/7050A						



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	11/21/2022 12:55:39PM

#### CS120

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247115
	ND	20.0	1	11/18/22	11/19/22	



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	11/21/2022 12:55:39PM

#### CS121

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130	11/18/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2247115



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	11/21/2022 12:55:39PM

#### **CS122**

	D (*				
Decult		Dilution	Drangrad	Analyzad	Notes
Kesun	Limit	Dilution	Fiepared	Anaryzed	INUIES
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2247106
ND	0.0250	1	11/18/22	11/20/22	
ND	0.0250	1	11/18/22	11/20/22	
ND	0.0250	1	11/18/22	11/20/22	
ND	0.0250	1	11/18/22	11/20/22	
ND	0.0500	1	11/18/22	11/20/22	
ND	0.0250	1	11/18/22	11/20/22	
	100 %	70-130	11/18/22	11/20/22	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2247106
ND	20.0	1	11/18/22	11/20/22	
	98.5 %	70-130	11/18/22	11/20/22	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2247110
ND	25.0	1	11/18/22	11/21/22	
ND	50.0	1	11/18/22	11/21/22	
	105 %	50-200	11/18/22	11/21/22	
mg/kg	mg/kg	Anal	yst: KL		Batch: 2247115
mg ng	0 0				
	ND Mg/kg ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           mg/kg         mg/kg           ND         20.0           98.5 %         mg/kg           ND         25.0           ND         50.0           105 %	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           105 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/18/22           ND         0.0250         1         11/18/22           ND         0.0250         1         11/18/22           ND         0.0500         1         11/18/22           ND         0.0250         1         11/18/22           ND         0.0250         1         11/18/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/18/22           mg/kg         mg/kg         Analyst: RAS           ND         25.0         1         11/18/22           ND         50.0         1         11/18/22           ND         50.0         1         11/18/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         11/18/22         11/20/22           ND         0.0250         1         11/18/22         11/20/22           ND         0.0250         1         11/18/22         11/20/22           ND         0.0500         1         11/18/22         11/20/22           ND         0.0250         1         11/18/22         11/20/22           ND         0.0250         1         11/18/22         11/20/22           mg/kg         70-130         11/18/22         11/20/22           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         11/18/22         11/20/22           mg/kg         mg/kg         Analyst: RAS           ND         25.0         1         11/18/22         11/21/22           ND         50.0         1         11/18/22         11/21/22           ND         50.0         1         11/18/22         11/21/22



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	11/21/2022 12:55:39PM

#### **CS123**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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		99.7 %	70-130	11/18/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.5 %	70-130	11/18/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	

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	11/21/2022 12:55:39PM

#### **CS124**

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2247106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	11/18/22	11/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: 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		98.6 %	50-200	11/18/22	11/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2247115
Chloride	ND	20.0	1	11/18/22	11/19/22	_



Surrogate: 4-Bromochlorobenzene-PID

### **QC Summary Data**

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

Plains TX, 79355-0247		Project Number: Project Manager:		om Bynum				1	1/21/2022 12:55:39PM
Volatile Organics by EPA 8021B Analyst: RKS									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247106-BLK1)						I	Prepared: 1	1/18/22 An	alyzed: 11/20/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			
LCS (2247106-BS1)						I	Prepared: 1	1/18/22 An	alyzed: 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			
o,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)						I	Prepared: 1	1/18/22 An	alyzed: 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	
o,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	



### **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

Plains TX, 79355-0247		Project Manage	r: To	om Bynum				11/2	1/2022 12:55:39P	
	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2247106-BLK1)						]	Prepared: 1	1/18/22 Analy	yzed: 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: 1	1/18/22 Analy	zed: 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: 1	1/18/22 Analy	zed: 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				

Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/2022 12:55:39PM

Plains TX, 79355-0247		Project Manager	r: 10	m Bynum				1	1/21/2022 12:55:39PI
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247110-BLK1)							Prepared: 1	1/18/22 Ar	alyzed: 11/20/22
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.1		50.0		104	50-200			
LCS (2247110-BS1)							Prepared: 1	1/18/22 Ar	alyzed: 11/20/22
Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
urrogate: n-Nonane	50.7		50.0		101	50-200			
Matrix Spike (2247110-MS1)				Source:	E211110-0	)6	Prepared: 1	1/18/22 Ar	alyzed: 11/20/22
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
urrogate: n-Nonane	52.4		50.0		105	50-200			
Matrix Spike Dup (2247110-MSD1)				Source:	E211110-0	)6	Prepared: 1	1/18/22 Ar	alyzed: 11/21/22
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	0.988	20	
urrogate: n-Nonane	48.7		50.0		97.4	50-200			



Chloride

Chloride

Matrix Spike Dup (2247115-MSD1)

### **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:	_	Beetle Juice 19 1058-0007	Fed 3				Reported:
Plains TX, 79355-0247		Project Manager:	Т	Com Bynum				11	/21/2022 12:55:39PM
		Anions	by EPA	300.0/9056	1				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
Blank (2247115-BLK1)							Prepared: 1	1/18/22 An	alyzed: 11/19/22
Chloride	ND	20.0							
LCS (2247115-BS1)							Prepared: 1	1/18/22 An	alyzed: 11/19/22
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2247115-MS1)				Source:	E211110-0	)1	Prepared: 1	1/18/22 An	alyzed: 11/19/22

250

250

20.0

20.0

ND

ND

107

106

Source: E211110-01

80-120

80-120

0.601

Prepared: 11/18/22 Analyzed: 11/19/22

20

267

265

#### 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.



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samples i	s applicable	e only to	o those sai	mpies rece	ived by the l	laborator	y with I	this COC. The liability of the I	laboratory is	limited to t	ne am	nount	paid f	or on	the re	port.								

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eld samp	ler), attest to the	validity and	authenticity o	of this sample. I am	aware that tampering	with or intentionally mislabelling Sampled by: Scott 4	the sample locat	tion,									ved on ice the day th		or received
ingpijs ge	d by: Gignatur	P)							Time_	<u> </u>	+		i My harjing			se Onl			1.54, 180, 18
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	ix: <b>S</b> - Soil, <b>Sd</b> - So						Container				<u> A</u>	vu len	np °C_	1000		68 M L			



envirotech Inc.

Printed: 11/18/2022 11:50:50AM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

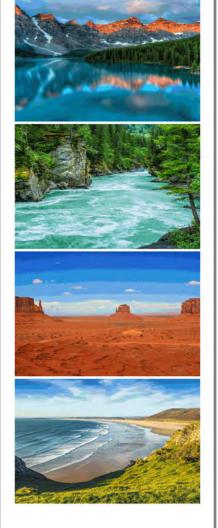
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 0	06:30	Work Order ID:	E211110
Phone:	(575) 631-6977	Date Logged In:	11/17/22 1	5:14	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 1	7:00 (0 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location mat	ch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: C	Coursian	
	e COC complete, i.e., signatures, dates/times, reques	ited analyses?	Yes	Carrier. <u>c</u>	<u>ourici</u>	
	Il samples received within holding time?	and and your	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic				Comme	ents/Resolution
Sample T	Turn Around Time (TAT)				D ' (D (1 T ' 1)	OF 121 1
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes		Project Beetle Juice 19	
Sample C	Cooler				separated into 8 report	ts.
7. Was a s	sample cooler received?		Yes		E211103/E211104/E2	11105/E211106/E211
8. If yes,	was cooler received in good condition?		Yes		107/E211108/E211109	9/E211110_COC
9. Was the	e sample(s) received intact, i.e., not broken?		Yes		received with white or	
10. Were	custody/security seals present?		No			ut on time sampled
11. If yes,	, were custody/security seals intact?		NA		by client.	
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
	Container	temperature. 1	<u>~</u>			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?	)	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · · · · · · · · · · · · · · · · · ·	iors concerca.	105			
	field sample labels filled out with the minimum info	rmation:				
	ample ID?	1111411011	Yes			
	ate/Time Collected?		Yes	ı		
C	ollectors name?		No			
Sample P	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were pr	eserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved m	etals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multiphas	se?	No			
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcontr	act Laboratory					
	amples required to get sent to a subcontract laborator	rv?	No			
	subcontract laboratory specified by the client and if	•	NA	Subcontract Lab	: na	
	struction					
CHERT	isti uction					

Date

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

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Lynn Jarbuc

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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# Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Donoutoda
PO Box 247	Project Number:	01058-0007	Reported:
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.



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	11/21/2022 12:28:39PM

### CSW1 E211103-01

		E211100 01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Liiiit	Dii		•	Allalyzeu	
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247094
Chloride	22.3	20.0	·	1	11/18/22	11/18/22	



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	11/21/2022 12:28:39PM

### CSW2

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2247094
Chloride	ND	20.0		1	11/18/22	11/18/22	



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### CSW3

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2247094
Chloride	21.0	20.0		1	11/18/22	11/18/22	

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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:28:39PM

### CSW4

		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2247077
Benzene	ND	0.0250	1	1	1/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	1	1/17/22	11/18/22	
Toluene	ND	0.0250	1	1	1/17/22	11/18/22	
o-Xylene	ND	0.0250	1	1	1/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	1	1/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	1	1/17/22	11/18/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130	1	1/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	1.	1/17/22	11/18/22	
Surrogate: Toluene-d8		101 %	70-130	1	1/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	1/17/22	11/18/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130	1.	1/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	1	1/17/22	11/18/22	
Surrogate: Toluene-d8		101 %	70-130	1.	1/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: RAS			Batch: 2247075
Diesel Range Organics (C10-C28)	ND	25.0	1	1	1/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	1/17/22	11/18/22	
Surrogate: n-Nonane		99.3 %	50-200	1	1/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247094



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### CSW5

		Reporting					
Analyte	Result	Limit	Dilut	ion Prepa	red Ana	alyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	1/22	18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247094
inions by Elite Colloy 200011							



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### CSW6

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2247094
Chloride	147	20.0		1	11/18/22	11/18/22	•

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### CSW7

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: I	Y		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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: I	Y		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: F	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: k	KL		Batch: 2247094
	106	20.0	1		11/18/22	11/18/22	



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### CSW8

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2247094
Chloride	ND	20.0		1	11/18/22	11/18/22	

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### CSW9

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2247094



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### CSW10 E211103-10

	_	Reporting				
Analyte	Result	Limit	Dilu	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2247094
Chloride	ND	20.0	1	11/18/22	11/18/22	



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### CSW11

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2247094



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### CSW12

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	KL		Batch: 2247094
Chloride	20.8	20.0		1	11/18/22	11/18/22	



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	11/21/2022 12:28:39PM

### CSW13 E211103-13

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2247094



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	11/21/2022 12:28:39PM

### CSW14

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247094



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	11/21/2022 12:28:39PM

### CSW15

E211103-15								
		Reporting						
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	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		
Nonhalogenated Organics by EPA 8015D - GRO	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		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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		
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247094	

20.0

11/18/22

11/18/22

ND



Chloride

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	11/21/2022 12:28:39PM

### CSW16 E211103-16

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IX			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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IX	?		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: R	AS		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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: K	L		Batch: 2247094
	ND	20.0	1		11/18/22	11/18/22	



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	11/21/2022 12:28:39PM

### CSW17

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
A . 1 EDA 200 0/0056 A	mg/kg	mg/kg	A	analyst: KL		Batch: 2247094
Anions by EPA 300.0/9056A	8 8	8 8		•		

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	11/21/2022 12:28:39PM

### CSW18

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247094
Chloride	30.6	20.0		1	11/18/22	11/18/22	



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	11/21/2022 12:28:39PM

### CSW19 E211103-19

		Reporting				
Analyte	Result	Limit	Dilu	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: KL		Batch: 2247094
Chloride	ND	20.0	1	11/18/22	11/18/22	



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	11/21/2022 12:28:39PM

### CSW20

		E211103-20					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247094
Chloride	ND	20.0		1	11/18/22	11/18/22	



Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/2022 12:28:39PM

Result   Limit   Level   Result   Res	Plains TX, 79355-0247		Project Manage	r: To	om Bynum				11/2	21/2022 12:28:39P
Result   Limit   Level   Result   Res		Ve	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: IY
Stank (2247077-BLK1)	Analyte	Result		•		Rec		RPD		
ND		mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
hylbenzene ND 0.0250 olucne Olu	Blank (2247077-BLK1)							Prepared: 11	1/17/22 Anal	yzed: 11/18/22
ND   0.0250   NJylene   ND   0.0250   NJylene   ND   0.0250   NJylene   ND   0.0500   NJylene   NJ	Benzene		0.0250							
ND   0.0250   ND   0.0500	Ethylbenzene		0.0250							
ND   0.0500   ND   0.0250	Toluene		0.0250							
ND   0.0250   1.025	o-Xylene		0.0250							
No. 10.00   No.	p,m-Xylene									
No.	Total Xylenes	ND	0.0250							
Prepared: 11/17/22   Analyzed: 11/21/22	Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Prepared: 11/17/22   Analyzed: 11/21/22	Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
enzene 2.31 0.0250 2.50 92.6 70-130 httylbenzene 2.38 0.0250 2.50 95.1 70-130 httylbenzene 2.32 0.0250 2.50 95.1 70-130 httylbenzene 2.32 0.0250 2.50 92.9 70-130 httylbenzene 2.26 0.0250 2.50 90.2 70-130 httylbenzene 2.26 0.0250 2.50 90.2 70-130 httylbenzene 2.26 0.0250 2.50 90.2 70-130 httylbenzene 2.26 0.0250 7.50 89.7 70-130 httylbenzene 2.26 0.0250 7.50 89.9 70-130 httplees 4.49 0.497 0.500 99.1 70-130 httplees 4.49 0.497 0.500 99.3 70-130 httplees 4.49 0.497 0.500 99.3 70-130 httplees 4.49 0.5020 2.50 99.3 70-130 httplees 4.49 0.5020 2.50 99.3 70-130 httplees 4.49 0.5020 2.50 99.3 70-130 httplees 4.49 0.0250 2.50 99.3 70-130 1.86 27 httplees 4.49 0.0250 2.50 99.3 70-130 1.86 27 httplees 4.49 0.0250 2.50 99.5 70-130 1.49 27 httplees 4.56 0.0500 5.00 99.1 70-130 1.45 27 httplees 4.56 0.0500 5.00 99.1 70-130 1.50 27 httplees 6.84 0.0250 7.50 91.2 70-130 1.49 27 httple	Surrogate: Toluene-d8	0.504		0.500		101	70-130			
thylbenzene	LCS (2247077-BS1)							Prepared: 1	1/17/22 Anal	yzed: 11/21/22
CS   Dup (2247077-BSD1)   Surveyance   2.34   0.0250   2.50   2.50   92.9   70-130	Benzene	2.31	0.0250	2.50		92.6	70-130			
Avglene   2.26   0.0250   2.50   90.2   70-130	Ethylbenzene	2.38	0.0250	2.50		95.1	70-130			
Mark	Toluene	2.32	0.0250	2.50		92.9	70-130			
otal Xylenes         6.74         0.0250         7.50         89.9         70-130           urrogate: Bromofluorobenzene         0.496         0.500         99.1         70-130           urrogate: 1,2-Dichloroethane-d4         0.497         0.500         99.3         70-130           urrogate: Toluene-d8         0.527         0.500         105         70-130           CCS Dup (2247077-BSD1)         Prepared: 11/17/22 Analyzed: 11/21/22 Analyzed: 11/	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			
CCS Dup (2247077-BSD1)   Prepared: 11/17/22   Analyzed: 11/21/22	Total Xylenes	6.74	0.0250	7.50		89.9	70-130			
CS Dup (2247077-BSD1)   Prepared: 11/17/22   Analyzed: 11/21/22	Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
CS Dup (2247077-BSD1)   Prepared: 11/17/22   Analyzed: 11/21/22	Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
enzene 2.34 0.0250 2.50 93.4 70-130 0.903 23 thylbenzene 2.42 0.0250 2.50 96.8 70-130 1.86 27 oluene 2.38 0.0250 2.50 95.2 70-130 2.40 24 xYylene 2.29 0.0250 2.50 91.5 70-130 1.45 27 m-Xylene 4.56 0.0500 5.00 91.1 70-130 1.50 27 otal Xylene 6.84 0.0250 7.50 91.2 70-130 1.49 27 urrogate: Bromofluorobenzene 0.509 0.500 102 70-130	Surrogate: Toluene-d8	0.527		0.500		105	70-130			
thylbenzene 2.42 0.0250 2.50 96.8 70-130 1.86 27 coluene 2.38 0.0250 2.50 95.2 70-130 2.40 24 coluene 2.29 0.0250 2.50 91.5 70-130 1.45 27 coluence 2.29 0.0250 2.50 91.5 70-130 1.45 27 coluence 2.29 0.050 5.00 91.1 70-130 1.50 27 colul Xylene 6.84 0.0250 7.50 91.2 70-130 1.49 27 colul Xylenes 0.509 0.500 102 70-130 1.49 27 columnogate: Bromofluorobenzene 0.509 0.500 102 70-130	LCS Dup (2247077-BSD1)							Prepared: 11	1/17/22 Anal	yzed: 11/21/22
thylbenzene 2.42 0.0250 2.50 96.8 70-130 1.86 27 coluene 2.38 0.0250 2.50 95.2 70-130 2.40 24 coluene 2.29 0.0250 2.50 91.5 70-130 1.45 27 coluene 2.29 0.0250 2.50 91.5 70-130 1.45 27 coluence 2.29 0.0500 5.00 91.1 70-130 1.50 27 coluence 2.29 0.050 7.50 91.2 70-130 1.49 27 coluence 2.29 0.050 7.50 91.2 70-130 1.49 27 coluence 2.29 0.0500 7.50 91.2 70-130 1.49 27 coluence 2.29 0.309 0.300 102 70-130 1.49 27 coluence 2.29 0.300 0.300 102 70-130 1.49 27 coluence 2.29 0.300 0.300 102 70-130 1.49 27 coluence 2.29 0.300 0.30	Benzene	2.34	0.0250	2.50		93.4	70-130	0.903	23	
Xylene     2.29     0.0250     2.50     91.5     70-130     1.45     27       m-Xylene     4.56     0.0500     5.00     91.1     70-130     1.50     27       otal Xylenes     6.84     0.0250     7.50     91.2     70-130     1.49     27       utrogate: Bromofluorobenzene     0.509     0.500     102     70-130	Ethylbenzene	2.42		2.50		96.8	70-130	1.86	27	
m-Xylene 4.56 0.0500 5.00 91.1 70-130 1.50 27 otal Xylenes 6.84 0.0250 7.50 91.2 70-130 1.49 27 urrogate: Bromofluorobenzene 0.509 0.500 102 70-130	Foluene	2.38	0.0250	2.50		95.2	70-130	2.40	24	
otal Xylenes         6.84         0.0250         7.50         91.2         70-130         1.49         27           urrogate: Bromofluorobenzene         0.509         0.500         102         70-130	o-Xylene	2.29	0.0250	2.50		91.5	70-130	1.45	27	
otal Xylenes         6.84         0.0250         7.50         91.2         70-130         1.49         27           urrogate: Bromofluorobenzene         0.509         0.500         102         70-130         1.49         27	o,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	
uroeate: 1.2-Dichloroethane-d4 0.481 0.500 96.1 70-130	Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
	Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			

0.500

70-130

0.537



Surrogate: Toluene-d8

Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/2022 12:28:39PM

Nonhalogenated	Organice	by FDA	2015D	CPO
Nonnaiogenateu	Organics	UyEIA	0013D -	GIVO

Ana	

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

Blank (2247077-BLK1)						Prepared: 11	1/17/22 Anal	yzed: 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: 1	1/17/22 Analy	yzed: 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: 1	1/17/22 Analy	yzed: 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			



Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/2022 12:28:39PM

Plains TX, 79355-0247		Project Manager	r: 10	m Bynum				1	1/21/2022 12:28:39PN
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247075-BLK1)							Prepared: 1	1/17/22 An	alyzed: 11/18/22
iesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	43.2		50.0		86.3	50-200			
CS (2247075-BS1)							Prepared: 1	1/17/22 An	alyzed: 11/18/22
iesel Range Organics (C10-C28)	216	25.0	250		86.3	38-132			
urrogate: n-Nonane	42.5		50.0		85.1	50-200			
latrix Spike (2247075-MS1)				Source:	E211103-1	18	Prepared: 1	1/17/22 An	alyzed: 11/18/22
iesel Range Organics (C10-C28)	219	25.0	250	ND	87.7	38-132			
urrogate: n-Nonane	41.8		50.0		83.5	50-200			
Matrix Spike Dup (2247075-MSD1)				Source:	E211103-1	18	Prepared: 1	1/17/22 An	alyzed: 11/18/22
iesel Range Organics (C10-C28)	208	25.0	250	ND	83.0	38-132	5.48	20	
urrogate: n-Nonane	42.4		50.0		84.7	50-200			



Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Beetle Juice 19 Fed 3 01058-0007 Tom Bynum					Reported: 1/21/2022 12:28:39PM
Tumb 173, 77333 02-17				A 300.0/9056A	<b>.</b>				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2247094-BLK1)							Prepared: 11	1/18/22 Anal	yzed: 11/18/22		
Chloride	ND	20.0									
LCS (2247094-BS1)							Prepared: 1	1/18/22 Anal	yzed: 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.



Project information		Chain	of Custody										Р	age	of <u>  [6</u>
Client: Pima Environmento Project: Reefle Juice 19 Fed Project Manager: Tom Bynur Address 5414 N Lovington	3 M	Attention: DEVOV Address: City, State, Zip		Lab \	wo#			OIO N dol	Number 58-0007	X	2D	TA 3D	T Standard	EPA PI CWA	SDWA
City, State, Zip Hobos, NM, 89 Phone: 580-748-163 Email: Tom @ pimabil.Com Report due by:	8240	Phone: Email:  Project   - 147		DRO/ORO by 8015	GRO/DRO by 8015	3021			sis and Metho			тх-трн	NM CO	State UT AZ	TX
Time Date Sampled Matrix N	o. of Sample ID	Projecta / 1 t	Lab Number	DRO/ORC	GRO/DRC	ВТЕХ ЬУ 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM		TCEQ 1005 TX-TPH		Remarks	
12:00 11/16/22 S 1	cswl		1							X					
12:05	CSW2		2							1					
12:10	csw3		3												
12:15	csw4		4												
12:20	CSWS		5			T				T					
72:25	CSW6		6												
12:30	csw7		7										34		
72:35	cswb		8							1					
12:40	CSW9		9												
12:45	CSWID		10												
Additional Instructions:	Rilling# 20	948131													
I, (field sampler), attest to the validity and auther date or time of collection is considered fraud and	nticity of this sample. I am aware I may be grounds for legal action.	that tampering with or intentionally mislabelling Sampled by: <b>ScbH</b>	the sample locat $oldsymbol{H}_{oldsymbol{\cdot}}$	ion,									ved on ice the day the °C on subsequent day		or received
Relinguished by: (Signature)	11/17/22 Time 1337	Received by: (Signature)	Date 11-17-	22	-	337	,	Rece	ived on ice:		ab U:	se Onl	у		
Reinquished by: (Signature)  Relinquished by: (Signature)	Date Time    1 - 17 - 22   Time     Date Time	Received by: (Signature)	Date   181	22	Time	:3		T1	Temp°C 4	T2_			<u>T3</u>		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A							p - pol	ly/pla	astic, ag - ambe						
Note: Samples are discarded 30 days after samples is applicable only to those sample										t expe	nse.	The rep	ort for the analy	rsis of the a	bove

envirotech 388

Client: P	ima Envi	ronr	renta '		Bill To		\$ 5 S	, Poper Seite	La	b Us	e On	ly ,	110		T	AT		EPA P	rogram
roject:	reetle Ju	ice i	7 Fed	3	Attention:		Lab	WO#			Job	Number	100.2	1D 20		_	ındard	CWA	SDW
roject N	ima Envi Scette Ju Janager: To SULY N. e. Zip Hond DBO- TUP	m By	NUM		Address:		E2	211	03	5	Ö	Number	27	マ					T
<u>ddress:</u>	<u> 5614 N.</u>	lovin	noton	<del>Yho</del> y	City, State, Zip							sis and Met					1. 沙克克曼东		RCRA
ity, Stat	e, Zip <b>Hook</b>	Z' NV	<u>1,882</u>	<u>4D</u>   [	Phone:		l								1				
hone:	DOD- 146	<u>-1613</u>	<b>A</b> ~~	<del></del>	Email:		012 012	3015							Į		N1 4 60	State	[ <del></del>
maii: 📆 eport d	THE DIN	(OFDI I	CDM		Project # 1-147		y <sub>d</sub> C	by 8	3021	260	010	300.0		Σ	F		X	UT AZ	IX
Time	Date Sampled	Matrix	No. of	Sample ID	** Istojeci ** t I I I	Lab	DRO/ORO by 8015	GRO/DRO by 8015	ВТЕХ ЬУ 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	CEQ 1005 TX-TPH		<u> </u>	Remarks	<u> </u>
ampled			Containers	Sample 10		Number	ă	GR.	BTE	Š	Me	ਤੋਂ		8	<u>Ā</u>			Memarks	
<u>::50</u>	11/16/22	S		CSWII										χ					
2:55	1	1	١	csw12		12	8							ī					
:00				csw13		13								11					_
				1 1	·			Н					$\dashv$	++	+	+			
:05				CSW14										╁┼		-			
:1D				<u>csw15</u>		15													
:15				cswlb		10								$  \cdot  $					
:20				CSWM		١7													
:25				CSW 18		18											_		
:30			1	CSW 19		19													
:35				CSW 20		20								$\dagger \dagger$	+-	$\dagger \dagger$	-		
	al Instruction	<u> </u>				120	1			i				1		Щ			
uuitioii	ai ilisti uction	J.	$\mathcal{B}$	illing#	2D948131														
(field samp	ler), attest to the v	alidity and	authenticity (	of this sample. I am aw	are that tampering with or intentionally mislab on. <u>Sampled by:</u> <b>Scott</b>	elling the sample locat	ion,					requiring therm	-				-		or received
te or time	of collection is cor	sidered fra	ud and may b	e grounds for legal act	on. Sampled by: COT	<u>r H</u>						in ice at an avg to							
DD RO	ed by: (Signature	and	2 <b>10</b>   Date	/17/22 133	Received by: (Signafure)  7 Wy Will K 4 5		22	73	37			ived on ice				nly			
finguish 1 1 1 Cl	d by: (Signathire	1) Des	✓ Date	17-22 Time 2	Received by (Signature)	Date	ZZ	Time	30		T1			 Г2			гз .		
linquish	ed by: (Signature		Date		Received by: (Signature)	Date		Time					10.84	Secret 1	4,544	ing and			
											AVG	Temp °C_	7				40.00		



envirotech Inc.

Printed: 11/18/2022 10:20:26AM

### **Envirotech Analytical Laboratory**

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.

	D. E					
Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:		Work Order ID:	E211103
Phone:	(575) 631-6977	Date Logged In:	11/17/22 14:		Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:	:00 (0 day TAT)		
Chain of	Custody (COC)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location man	tch the COC	Yes			
	mples dropped off by client or carrier?		Yes	Carrier: C	Courier	
4. Was the	COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	<u> </u>	<u> </u>	
	I samples received within holding time?	•	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.			_	Comment	s/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Project Beetle Juice 19	
Sample C	<u>ooler</u>				separated into 8 reports.	
7. Was a s	ample cooler received?		Yes		E211103/E211104/E211	1105/E211106/E211
8. If yes, v	vas cooler received in good condition?		Yes		107/E211108/E211109/	
9. Was the	sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No		received with white out	on time sampled
11. If yes,	were custody/security seals intact?		NA		by client.	
12. Was the	sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes			
13. If no v	isible ice, record the temperature. Actual sample	temperature: 4°C	<u> </u>			
Sample C	ontainer	_				
	ueous VOC samples present?		No			
15. Are V	OC 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 no	on-VOC samples collected in the correct containers'	?	Yes			
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes			
Field Lab	<u>el</u>					
20. Were f	field sample labels filled out with the minimum info	ormation:				
	mple ID?		Yes			
	ate/Time Collected?		Yes	'		
	ollectors name?		No			
	<u>reservation</u> he COC or field labels indicate the samples were p	recerved?	No			
	mple(s) correctly preserved?	reserveu:	NA NA			
	filteration required and/or requested for dissolved n	netals?	No			
		icuis.	110			
	se Sample Matrix he sample have more than one phase, i.e., multipha	9	3.7			
			No			
	does the COC specify which phase(s) is to be analy	/zea?	NA			
	act Laboratory					
	mples required to get sent to a subcontract laborato	•	No			
29. Was a	subcontract laboratory specified by the client and in	f so who?	NA S	ubcontract Lab	: na	
Client In	struction					

Date

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

Report to: Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding 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

een: //3 20/ 1/02

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Sample Custody Officer Office: 505-632-1881

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West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Reported:	
PO Box 247	Project Number:	01058-0007	Keporteu:
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.



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

### **CS29**

	Reporting					
Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
mg/kg	mg/kg	1	Analyst: IY			Batch: 2247080
ND	0.0250	1		11/17/22	11/18/22	
ND	0.0250	1		11/17/22	11/18/22	
ND	0.0250	1		11/17/22	11/18/22	
ND	0.0250	1		11/17/22	11/18/22	
ND	0.0500	1		11/17/22	11/18/22	
ND	0.0250	1	Į.	11/17/22	11/18/22	
	98.3 %	70-130		11/17/22	11/18/22	
	96.4 %	70-130		11/17/22	11/18/22	
	99.4 %	70-130		11/17/22	11/18/22	
mg/kg	mg/kg	I	Analyst: IY	?		Batch: 2247080
mg/kg ND	mg/kg 20.0	1	-	11/17/22	11/18/22	Batch: 2247080
			-		11/18/22	Batch: 2247080
	20.0	1	-	11/17/22		Batch: 2247080
	20.0 98.3 %	70-130	-	11/17/22 11/17/22	11/18/22	Batch: 2247080
	20.0 98.3 % 96.4 %	70-130 70-130 70-130	-	11/17/22 11/17/22 11/17/22 11/17/22	11/18/22 11/18/22	Batch: 2247080  Batch: 2247084
ND	20.0 98.3 % 96.4 % 99.4 %	70-130 70-130 70-130		11/17/22 11/17/22 11/17/22 11/17/22	11/18/22 11/18/22	
ND mg/kg	20.0 98.3 % 96.4 % 99.4 % mg/kg	70-130 70-130 70-130		11/17/22 11/17/22 11/17/22 11/17/22 AS	11/18/22 11/18/22 11/18/22	
ND mg/kg ND	20.0 98.3 % 96.4 % 99.4 % mg/kg 25.0	70-130 70-130 70-130		11/17/22 11/17/22 11/17/22 11/17/22 AS 11/17/22	11/18/22 11/18/22 11/18/22 11/18/22	
ND mg/kg ND	20.0 98.3 % 96.4 % 99.4 % mg/kg 25.0 50.0	1 70-130 70-130 70-130 1 1 1 50-200		11/17/22 11/17/22 11/17/22 11/17/22 AS 11/17/22 11/17/22 11/17/22	11/18/22 11/18/22 11/18/22 11/18/22 11/18/22	
	mg/kg ND ND ND ND ND ND ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           98.3 %         96.4 %	Result         Limit         Dilu           mg/kg         mg/kg           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           98.3 %         70-130           96.4 %         70-130	Result         Limit         Dilution           mg/kg         mg/kg         Analyst: IV           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           98.3 %         70-130           96.4 %         70-130	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IV           ND         0.0250         1         11/17/22           ND         0.0250         1         11/17/22           ND         0.0250         1         11/17/22           ND         0.0250         1         11/17/22           ND         0.0500         1         11/17/22           ND         0.0250         1         11/17/22           ND         0.0250         1         11/17/22           98.3 %         70-130         11/17/22           96.4 %         70-130         11/17/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/17/22         11/18/22           ND         0.0500         1         11/17/22         11/18/22           ND         0.0250         1         11/17/22         11/18/22           98.3 %         70-130         11/17/22         11/18/22           96.4 %         70-130         11/17/22         11/18/22



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

### **CS30**

		Reporting					
Analyte	Result	Limit	Dilut	tion Pr	epared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247099
11110119 10 7 121111 0 0 0 1 0 1 7 0 0 0 1 1							



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	11/21/2022 3:07:55PM

### **CS31**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247099
Anions by EPA 300.0/9056A	0 0	8 8				

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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### **CS32**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	nalyst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	nalyst: KL		Batch: 2247099



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### **CS33**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2247099
Chloride	ND	20.0		1	11/18/22	11/18/22	



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### **CS34**

		Reporting					
Analyte	Result	Limit	Dilut	ion Prepa	ared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2247080
Benzene	ND	0.0250	1	11/17	7/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17	7/22	11/18/22	
Toluene	ND	0.0250	1	11/17	7/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17	7/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17	7/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17	7/22	11/18/22	
Surrogate: Bromofluorobenzene	·	97.1 %	70-130	11/17	7/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/17	7/22	11/18/22	
Surrogate: Toluene-d8		99.6 %	70-130	11/17	7/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17	7/22	11/18/22	
Surrogate: Bromofluorobenzene		97.1 %	70-130	11/17	7/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/17	7/22	11/18/22	
Surrogate: Toluene-d8		99.6 %	70-130	11/17	7/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: RAS			Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17	7/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17	7/22	11/18/22	
Surrogate: n-Nonane		81.1 %	50-200	11/17	7/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247099
Allions by ETA 500:0/7050A							



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

### **CS35**

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
	mg/kg	mg/kg	A	nalyst: KL		Batch: 2247099
Anions by EPA 300.0/9056A	mg/kg	mg/kg		114175411112		Datell. 2247077



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

### **CS36**

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247099
Chloride	ND	20.0		1	11/18/22	11/18/22	



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

### **CS37**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: KL		Batch: 2247099
11110119 8 7 12111 0 0 0 10 7 7 0 0 0 1 1						



Pin	na Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
PO	Box 247	Project Number:	01058-0007	Reported:
Pla	ins TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

### **CS38**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247099
Amons by ETA 500.0/3030A						



P	ima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
P	O Box 247	Project Number:	01058-0007	Reported:
P	lains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

### **CS39**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2247099
Chloride	ND	20.0		1	11/18/22	11/18/22	



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	11/21/2022 3:07:55PM

### **CS40**

		Reporting					
Analyte	Result	Limit	Dilut	tion Pi	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2247080
Benzene	ND	0.0250	1	11	1/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11	1/17/22	11/18/22	
Toluene	ND	0.0250	1	11	1/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11	1/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11	1/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11	1/17/22	11/18/22	
Surrogate: Bromofluorobenzene		99.1 %	70-130	11	1/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		117 %	70-130	11	1/17/22	11/18/22	
Surrogate: Toluene-d8		99.9 %	70-130	11	1/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11	1/17/22	11/18/22	
Surrogate: Bromofluorobenzene		99.1 %	70-130	11	1/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		117 %	70-130	11	1/17/22	11/18/22	
Surrogate: Toluene-d8		99.9 %	70-130	11	1/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: RAS			Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11	1/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11	1/17/22	11/18/22	
Surrogate: n-Nonane		103 %	50-200	11	1/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247099



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	11/21/2022 3:07:55PM

### **CS41**

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: RA	S		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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247099
11110113 by E111 500:0/703011							



Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

### **CS42**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247099
Chloride	ND	20.0		1	11/18/22	11/18/22	



Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

### **CS43**

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247099
Chloride	28.9	20.0		1	11/18/22	11/18/22	



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

### CS44

	Reporting					
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2247099
Allions by ETA 500.0/3030A						



Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

### **CS45**

	Reporting					
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247099



Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

### **CS46**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2247099
Chloride	ND	20.0		1	11/18/22	11/18/22	



Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

### **CS47**

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: RA	S		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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247099
11110110 0 3 11111 0 0 0 0 0 1 1							



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	11/21/2022 3:07:55PM

### **CS48**

	Reporting					
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247099



## **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/20223:07:55PM

Plains TX, 79355-0247		Project Manager:	: To	m Bynum				11/	21/2022 3:07:55PN
	V	olatile Organi	c Compo	unds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247080-BLK1)							Prepared: 11	1/17/22 Anal	yzed: 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: 1	1/17/22 Anal	yzed: 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: 1	1/17/22 Anal	yzed: 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			

0.500

70-130

0.497



Surrogate: Toluene-d8

### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/20223:07:55PM

	Non	halogenated	Organics	by EPA 80	15D - G	RO			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
Blank (2247080-BLK1)						I	Prepared: 1	1/17/22 Anal	lyzed: 11/18/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			

Blank (2247080-BLK1)					I	Prepared: 11	/17/22 Analyze	ed: 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)					I	Prepared: 11	/17/22 Analyze	ed: 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)					I	Prepared: 11	/17/22 Analyze	ed: 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-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/20223:07:55PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				1	1/21/2022 3:07:55PI
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247084-BLK1)							Prepared: 1	1/17/22 An	alyzed: 11/18/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.9		50.0		99.7	50-200			
LCS (2247084-BS1)							Prepared: 1	1/17/22 An	alyzed: 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:	E211106-1	12	Prepared: 1	1/17/22 An	alyzed: 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:	E211106-1	12	Prepared: 1	1/17/22 An	alyzed: 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			



LCS Dup (2247099-BSD1)

Chloride

264

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

20

### **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	Project Number: 01058-0007					1	Reported:
1.4.1.2 1.7, 7.555 0217				300.0/9056A	<u> </u>				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
Blank (2247099-BLK1)				55	70				nalyzed: 11/18/22
Chloride  LCS (2247099-BS1)	ND	20.0					Prepared: 1	1/18/22 Ar	nalyzed: 11/18/22
Chloride	256	20.0	250		102	90-110			

250

20.0

106

90-110

3.16

#### 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.



roject Information						Cha	in of Custody												Pa	ge	of <u>[[</u>
Client: Pima Envi Project: BeeHe Si Project Manager: Ton Address: 5614 N. City, State, Zip Hold Phone: 580-748	conmunice l n Byl Lloyin	glon	3_ dusv	Add City	ention: Iress: , State, Zip	Bill To		Lab E 2	wo# ?]]]		)	010	umb	er 0007 I Metho	X	2D	TA'	T Standa	ard	EPA Po	SDWA RCRA
Phone: 580-748 Email: 100 Piny Report due by:	b-lle 19 naoi 1	Com		Pho Emi		1-147		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	NM X	со	State UT AZ	TX
Time Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	- PRO	GRO/I	BTEX	vocb	Metal	Chłori		BGDO		TŒQ 1			Remarks	
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l, (field sampler), attest to the v	alidity and	authenticity o	of this sample. I an	n aware that t	ampering with o	r intentionally mislabe	lling the sample local	tion,										ed on ice the		are sampled	or received
date or time of collection is con Relinquished by: (Signature	7	Date	e grounds for legal	327	Received by:	Signature)	Date 11-17-	22_	Time 3	<del></del> 37		vanjinje Nastriji	4.740 () 4.50 ()	on ice:	ها :		e Onl				
Religioushed by: (Signature	1 Juls	Date	Time	620	Received by:		A 11/18/	22	Time	<i>'3</i> (	.	T1			T2						
Relinquished by: (Signature	W)	Date	Time		Received by:	(Signature)	Date		Time			AVG	Temr	°C	4						
Sample Matrix: S - Soil, Sd - Sol	lid, <b>S</b> g - Slud	lge, A - Aque	ous, O - Other				Containe	г Туре	: <b>g</b> - g	lass, p	_		_		er glas	s, v -	VOA				



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, (field samp	oler), attest to the of collection is co	validity and	authernicity o	of this sample.	I am aware	that tampering with or intentionally misla	belling the sample loc	ation,										ed on ice the day the C on subsequent day		or received
					Time	Received by (Signature)	Date ,		Time				i ga	AMONT	-			1		
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envirotech Inc.

Printed: 11/18/2022 10:53:29AM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

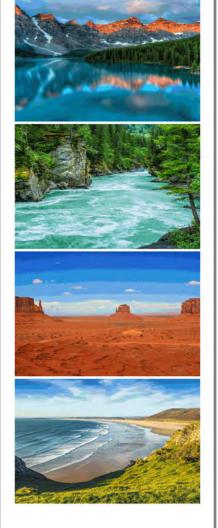
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

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 th	e sample ID match the COC?		Yes				
	te number of samples per sampling site location mat	ch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
5. Were al	l samples received within holding time? Note: Analysis, such as pH which should be conducted in		Yes			G	4-/Danaladan
Sample T	i.e, 15 minute hold time, are not included in this disucssicurn Around Time (TAT)	on.		[			ts/Resolution
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Project Be	etle Juice 19	Fed 3 has been
Sample C	<u>Cooler</u>				separated i	into 8 reports	
7. Was a s	ample cooler received?		Yes		E211103/E	E211104/E21	1105/E211106/E211
8. If yes, v	was cooler received in good condition?		Yes				E211110. COC
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No		l	ith white out	on time sampled
11. If yes,	were custody/security seals intact?		NA		by client.		
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes				
13. If no v	visible ice, record the temperature.  Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>Container</u>						
14. Are ac	queous VOC samples present?		No				
15. Are V	OC 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 no	on-VOC samples collected in the correct containers?	•	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field Lab	<u>el</u>						
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected? ollectors name?		Yes	_			
	reservation		No				
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?	eser vea.	NA				
	filteration required and/or requested for dissolved m	etals?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multiphase	se?	No				
	does the COC specify which phase(s) is to be analy		NA				
		zea.	INA				
	act Laboratory		3.7				
	imples required to get sent to a subcontract laborator	•	No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA S	ubcontract Lab	o: na		
Client In	struction						

Date

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

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Donoutoda
PO Box 247	Project Number:	01058-0007	Reported:
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.



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	11/21/2022 3:07:55PM

#### **CS29**

		E211100-01					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247099
Chloride	ND	20.0		1	11/18/22	11/18/22	



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	11/21/2022 3:07:55PM

#### **CS30**

		Reporting					
Analyte	Result	Limit	Dilut	tion Pr	epared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247099
11110119 10 7 121111 0 0 0 1 0 1 7 0 0 0 1 1							



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	11/21/2022 3:07:55PM

#### **CS31**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2247099
Chloride	ND	20.0		1	11/18/22	11/18/22	



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	11/21/2022 3:07:55PM

#### **CS32**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	nalyst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	nalyst: KL		Batch: 2247099



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	11/21/2022 3:07:55PM

#### **CS33**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: KL		Batch: 2247099
Amons by EPA 500.0/9050A						

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	11/21/2022 3:07:55PM

#### **CS34**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2247099
	ND	20.0		1	11/18/22	11/18/22	·



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	11/21/2022 3:07:55PM

#### **CS35**

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: 1	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	Į.	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	٠	Analyst: 1	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 1	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	l	11/17/22	11/18/22	
Surrogate: n-Nonane		82.6 %	50-200		11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: 1	KL		Batch: 2247099



Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

#### **CS36**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2247099
Chloride	ND	20.0		1	11/18/22	11/18/22	



Pin	na Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
PO	Box 247	Project Number:	01058-0007	Reported:
Pla	ins TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

#### **CS37**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/22	2 11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	2 11/18/22	
Toluene	ND	0.0250	1	11/17/22	2 11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	2 11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	2 11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	2 11/18/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130	11/17/22	2 11/18/22	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130	11/17/22	2 11/18/22	
Surrogate: Toluene-d8		99.8 %	70-130	11/17/22	2 11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	2 11/18/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130	11/17/22	2 11/18/22	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130	11/17/22	2 11/18/22	
Surrogate: Toluene-d8		99.8 %	70-130	11/17/22	2 11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	2 11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	2 11/18/22	
Surrogate: n-Nonane		104 %	50-200	11/17/22	2 11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	analyst: KL		Batch: 2247099



Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

#### **CS38**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2247099
Chloride	ND	20.0		1	11/18/22	11/18/22	

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	11/21/2022 3:07:55PM

#### **CS39**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247099
Chloride	ND	20.0		1	11/18/22	11/18/22	



Pin	na Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
PO	Box 247	Project Number:	01058-0007	Reported:
Pla	ins TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

#### **CS40**

		Reporting					
Analyte	Result	Limit	Dilut	tion Pi	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2247080
Benzene	ND	0.0250	1	11	1/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11	1/17/22	11/18/22	
Toluene	ND	0.0250	1	11	1/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11	1/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11	1/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11	1/17/22	11/18/22	
Surrogate: Bromofluorobenzene		99.1 %	70-130	11	1/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		117 %	70-130	11	1/17/22	11/18/22	
Surrogate: Toluene-d8		99.9 %	70-130	11	1/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11	1/17/22	11/18/22	
Surrogate: Bromofluorobenzene		99.1 %	70-130	11	1/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		117 %	70-130	11	1/17/22	11/18/22	
Surrogate: Toluene-d8		99.9 %	70-130	11	1/17/22	11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: RAS			Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11	1/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11	1/17/22	11/18/22	
Surrogate: n-Nonane		103 %	50-200	11	1/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247099



Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

#### **CS41**

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: RA	S		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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247099
11110113 by E111 500:0/703011							



Pin	na Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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Pla	ins TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

#### **CS42**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247099
Chloride	ND	20.0		1	11/18/22	11/18/22	



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

#### **CS43**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247099
Chloride	28.9	20.0		1	11/18/22	11/18/22	



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

#### **CS44**

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2247099
Allions by ETA 500.0/3030A						



Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

#### **CS45**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepar	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2247080
Benzene	ND	0.0250	1	11/17/2	22 11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/2	22 11/18/22	
Toluene	ND	0.0250	1	11/17/2	22 11/18/22	
o-Xylene	ND	0.0250	1	11/17/2	22 11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/2	22 11/18/22	
Total Xylenes	ND	0.0250	1	11/17/2	22 11/18/22	
Surrogate: Bromofluorobenzene	·	97.6 %	70-130	11/17/2	22 11/18/22	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	11/17/2	22 11/18/22	
Surrogate: Toluene-d8		100 %	70-130	11/17/2	22 11/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/2	22 11/18/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130	11/17/2	22 11/18/22	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	11/17/2	22 11/18/22	
Surrogate: Toluene-d8		100 %	70-130	11/17/2	22 11/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: RAS		Batch: 2247084
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/2	22 11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/2	22 11/19/22	
Surrogate: n-Nonane		109 %	50-200	11/17/2	22 11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247099
Allions by ETA 500:0/7030A						



Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

#### **CS46**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2247099
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

#### **CS47**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2247099
Chloride	33.9	20.0		1	11/18/22	11/18/22	



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	11/21/2022 3:07:55PM

#### **CS48**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247099



### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/20223:07:55PM

Plains TX, 79355-0247		Project Manager:		om Bynum				11.	/21/2022 3:07:55Pl
1 mins 17, 17333-02-71		1 Toject Ivianagei.	10	nn Dynum				11/	21.2022 3.07.331
	Volatile Organic	Compo	unds by EP	A 82601	3	Analyst: IY			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247080-BLK1)							Prepared: 11	1/17/22 Ana	lyzed: 11/18/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Gurrogate: 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	1/17/22 Ana	lyzed: 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			
o,m-Xylene	5.20	0.0500	5.00		104	70-130			
Total Xylenes	7.92	0.0250	7.50		106	70-130			
Gurrogate: 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	1/17/22 Ana	lyzed: 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	
-Xylene	2.52	0.0250	2.50		101	70-130	7.83	27	
o,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			

0.500

99.4

70-130

0.497



Surrogate: Toluene-d8

# **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/20223:07:55PM

Nonhalogenated	Organics	hv	FPA 2015D	CRO
Monnaiozenateu	Organics	$\mathbf{v}$	LIA OUISD .	· OIVO

Analyst	Т
Allalyst.	. 1

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

Blank (2247080-BLK1)						Prepared: 11	/17/22 Analyzed: 11/18/
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/
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/
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

Plains TX, 79355-0247		Project Manager	r: Io	m Bynum					11/21/2022 3:0/:55Pf
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247084-BLK1)							Prepared: 1	1/17/22 A	nalyzed: 11/18/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	49.9		50.0		99.7	50-200			
LCS (2247084-BS1)							Prepared: 1	1/17/22 A	nalyzed: 11/18/22
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
urrogate: n-Nonane	52.2		50.0		104	50-200			
Matrix Spike (2247084-MS1)				Source: E211106-12			Prepared: 1	1/17/22 A	nalyzed: 11/18/22
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132			
urrogate: n-Nonane	50.8		50.0		102	50-200			
Matrix Spike Dup (2247084-MSD1)				Source:	E211106-1	12	Prepared: 1	1/17/22 A	nalyzed: 11/18/22
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	1.77	20	
'urrogate: n-Nonane	52.5		50.0		105	50-200			



LCS (2247099-BS1)

Chloride

LCS Dup (2247099-BSD1)

ND

256

264

20.0

20.0

20.0

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

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

90-110

90-110

3.16

102

106

### **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	ject Number: 01058-0007					<b>Reported:</b> 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			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2247099-BLK1)						F	repared: 1	1/18/22 <i>F</i>	Analyzed: 11/18/22		

250

250

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**

ſ	Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
l	PO Box 247	Project Number:	01058-0007	Reported:
l	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.



Project Information Chain													Р	age	_ of _ <i>【【</i>
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roject: BeeHe	Tuice	19 Fed	Attention:		E21106		Job Number			1D 2	2D 3D	Standard	CWA	SDWA	
roject Manager:	om By	num	Address: City, State, Zip	<u>.</u>			Oloss COUT  Analysis and Metho					200 Sept 1		RCRA	
tv. State. Zip <b>Hr</b>	Mosi N	M. 88	240 Phone:	· · · · · · · · · · · · · · · · · · ·					y 313 a1	Id WELLO	ΪΤ	$\Box$			INCINA
one:580-7	18-161	3	Email:		212	8015						_		State	
port due by:	madi	I. Com	Project# 1-147		DRO/ORO by 8015	30 by 80	,8021 8760	6010	a 300.0		N.	TCEQ 1005 TX-TPH	NM CO	UT AZ	TX
Time Date Sample	d Matrix	No. of Containers	Sample ID	Lab Number	DRO/O	GRO/DRO by	BTEX by 8021	Metals 6010	Chloride 300.0		BGDOC - NM	TŒQ 10		Remarks	
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45			CS 38	10											
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iald complete start to			# 20948131 of this sample. I am aware that tampering with or intentionally mislabel	lling the sample to set	ion			Sampl	es requir	ing thermal o	reservation	n must he rec	eived on ice the day the	ev are samples	or received
			be grounds for legal action.  Sampled by: Scott	H.									C on subsequent day		
inquished by: (Signa	ture	Date	Received by: (Signature)	_ 211-17-1	22_	Tm23	7	Rec	eived	on ice:	Lal (V)	b Use Or / N	nly		
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linquished by: (Signa	ture),)	Date		Date		Time		Δνα	i Tem	p°C 4	¥	10,100			
nple Matrix: S - Soil, So	- Solid, Sg - Sl	udge, A - Aau	eous, O - Other	Container	Type	: g - gla	iss, p -				er glass	. v - VOA	i in a suit de la company.	<u> </u>	Harrist Miles

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Additiona	I Instruction	ns: 0·11	·504	0001	10121										•						
, (field sampl	er), attest to the	validity and	authenticity of	of this sample.	1 DI DI I am aware tha	at tampering with or intentionally mislabe Sampled by: 500 #	lling the sample loca	tion,										ed on ice the day the		or received	
ate or time o	of collection is co	nsidered fra	ud and may b	e grounds for								packed	in ice at	t an avg tem				C on subsequent day	•	* *	
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Printed: 11/18/2022 10:53:29AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

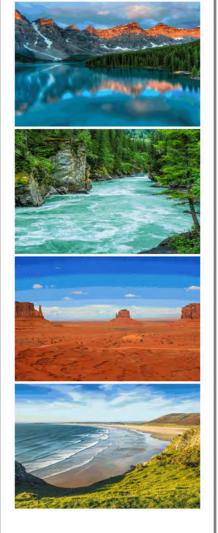
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Chain of C  1. Does the 2. Does the 3. Were san	samples dropped off by client or carrier?  COC complete, i.e., signatures, dates/times, requestables are cliented as the control of the contr	Date Logged In: Due Date:	11/17/22 1 11/18/22 Yes	15:06 17:00 (0 day TAT)	Logged In By:	Caitlin Christian
Chain of C 1. Does the 2. Does the 3. Were san	ustody (COC) sample ID match the COC? number of samples per sampling site location manaples dropped off by client or carrier? COC complete, i.e., signatures, dates/times, requestions.	Due Date:		17:00 (0 day TAT)		
<ol> <li>Does the</li> <li>Does the</li> <li>Were san</li> </ol>	sample ID match the COC? number of samples per sampling site location manaples dropped off by client or carrier? COC complete, i.e., signatures, dates/times, requestions.	ch the COC	Yes			
Sample Turn 6. Did the Consumple Con	Note: Analysis, such as pH which should be conducted in e, 15 minute hold time, are not included in this disucssion Around Time (TAT)  COC indicate standard TAT, or Expedited TAT?	the field,	Yes Yes Yes Yes Yes Yes	Carrier: <u>C</u>	Project Beetle Juice 19 separated into 8 reports E211103/E211104/E21	s. 1105/E211106/E211
•	<del>-</del>			l	107/E211108/E211109/	E211110. COC
	stady/security scale present?		Yes		received with white out	t on time sampled
	stody/security seals present?		No		by client.	-
12. Was the	vere custody/security seals intact?  sample received on ice? If yes, the recorded temp is 4°C,  Note: Thermal preservation is not required, if samples are  minutes of sampling  tible ice, record the temperature. Actual sample	e received w/i 15	NA Yes <u>C</u>		by chem.	
Sample Co	ntainer					
	eous VOC samples present?		No			
15. Are VO	C samples collected in VOA Vials?		NA			
16. Is the h	ead space less than 6-8 mm (pea sized or less)?		NA			
17. Was a tr	ip blank (TB) included for VOC analyses?		NA			
	-VOC samples collected in the correct containers'	?	Yes			
	propriate volume/weight or number of sample contain		Yes			
San Dat	Lold sample labels filled out with the minimum infomple ID? e/Time Collected? lectors name?	ormation:	Yes Yes No			
Sample Pro	eservation_					
	e COC or field labels indicate the samples were pr	eserved?	No			
22. Are sam	ple(s) correctly preserved?		NA			
24. Is lab fi	teration required and/or requested for dissolved n	netals?	No			
Multiphase	Sample Matrix					
26. Does th	e sample have more than one phase, i.e., multipha	se?	No			
27. If yes, d	oes the COC specify which phase(s) is to be analy	zed?	NA			
28. Are sam	et Laboratory  uples required to get sent to a subcontract laborato  ubcontract laboratory specified by the client and in	•	No NA	Subcontract Lab	: na	
Client Inst	ruction					

Date

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

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Donoutoda
PO Box 247	Project Number:	01058-0007	Reported:
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.



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	11/21/2022 12:18:45PM

#### **CS69**

		E211100-01					
Analyte	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
Allalyte	Kesuit	Limit	Dilut	tion	Терагеи	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247101
Anions by EPA 300.0/9056A	mg/kg	mg/kg					Batem 22 17 101



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	11/21/2022 12:18:45PM

#### **CS70**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247101
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ſ	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	11/21/2022 12:18:45PM

#### **CS71**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247101
Chloride	ND	20.0		1	11/18/22	11/19/22	



ſ	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	11/21/2022 12:18:45PM

#### **CS72**

		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2247104
Benzene	ND	0.0250	1	1	1/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	1	1/18/22	11/19/22	
Toluene	ND	0.0250	1	1	1/18/22	11/19/22	
o-Xylene	ND	0.0250	1	1	1/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	1	1/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	1	1/18/22	11/19/22	
Surrogate: Bromofluorobenzene	·	96.8 %	70-130	1.	1/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	1.	1/18/22	11/19/22	
Surrogate: Toluene-d8		100 %	70-130	1.	1/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: IY			Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	1/18/22	11/19/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130	1.	1/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	1.	1/18/22	11/19/22	
Surrogate: Toluene-d8		100 %	70-130	1.	1/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: RAS			Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	1	1/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	1/17/22	11/19/22	
Surrogate: n-Nonane		85.1 %	50-200	1.	1/17/22	11/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247101



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	11/21/2022 12:18:45PM

#### **CS73**

		Reporting					
Analyte	Result	Limit	Dilut	ion Pre	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: KL			Batch: 2247101



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	11/21/2022 12:18:45PM

#### **CS74**

		Reporting					
Analyte	Result	Limit	Dilut	ion Pre	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247101



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	11/21/2022 12:18:45PM

#### **CS75**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247101
inions by Elittedoid/200011						



ſ	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	11/21/2022 12:18:45PM

#### **CS76**

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
	mg/kg	mg/kg	A	nalyst: KL		Batch: 2247101
Anions by EPA 300.0/9056A	mg/kg	nig/kg		naryst. IEE		Datell. 22-7/101



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	11/21/2022 12:18:45PM

#### **CS77**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2247101
	ND	20.0		1	11/18/22	11/19/22	

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#### **CS78**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepa	red Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247101



Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:18:45PM

#### **CS79**

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RA	.S		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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL	,		Batch: 2247101



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:18:45PM

#### **CS80**

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247101
Chloride	ND	20.0		1	11/18/22	11/19/22	



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#### **CS81**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepare	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2247104
Benzene	ND	0.0250	1	11/18/2	2 11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/2	2 11/19/22	
Toluene	ND	0.0250	1	11/18/2	2 11/19/22	
o-Xylene	ND	0.0250	1	11/18/2	2 11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/2	2 11/19/22	
Total Xylenes	ND	0.0250	1	11/18/2	2 11/19/22	
Surrogate: Bromofluorobenzene	·	96.4 %	70-130	11/18/2	2 11/19/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	11/18/2	2 11/19/22	
Surrogate: Toluene-d8		101 %	70-130	11/18/2	2 11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/2	2 11/19/22	
Surrogate: Bromofluorobenzene		96.4 %	70-130	11/18/2	2 11/19/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	11/18/2	2 11/19/22	
Surrogate: Toluene-d8		101 %	70-130	11/18/2	2 11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/2	2 11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/2	2 11/20/22	
Surrogate: n-Nonane		80.6 %	50-200	11/17/2	2 11/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2247101



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#### **CS82**

		Reporting					
Analyte	Result	Limit	Dilut	tion Pr	epared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	1/18/22	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	1/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	1/18/22	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247101



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#### **CS83**

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2247101
inions by Elite Colloy 200011						



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#### **CS84**

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: RA	S		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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247101



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#### **CS85**

		Reporting			·		
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
A: b EDA 200 0/005/ A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247101
Anions by EPA 300.0/9056A	mg/kg	mg ng					



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:18:45PM

#### **CS86**

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2247104
Benzene	ND	0.0250	1	[	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	l	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	l	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	l	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/17/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	11/17/22	11/20/22	
Surrogate: n-Nonane		80.9 %	50-200		11/17/22	11/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247101
Amons by ETA 500:0/7050A							



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	Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:18:45PM

#### **CS87**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	analyst: KL		Batch: 2247101
Allions by ETA 500:0/7050A						



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	11/21/2022 12:18:45PM

#### **CS88**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: KL		Batch: 2247101

Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/2022 12:18:45PM

Plains TX, 79355-0247		Project Manage	r: To	om Bynum				11/	21/2022 12:18:45PI
	Vo	olatile Organ	ic Compo	unds by EI	PA 8260	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247104-BLK1)							Prepared: 1	1/18/22 Anal	yzed: 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: 1	1/18/22 Anal	yzed: 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: 1	1/18/22 Anal	yzed: 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	
o,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			
-									

0.500

0.498

70-130



Surrogate: Toluene-d8

Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/2022 12:18:45PM

Analyst: IY

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

Blank (2247104-BLK1)						Prepared: 1	/18/22 Analy	zed: 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 Analy	zed: 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 Analy	zed: 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			



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

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				1	1/21/2022 12:18:45PN
	Nonhal	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247086-BLK1)							Prepared: 1	1/17/22 An	alyzed: 11/19/22
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	40.0		50.0		79.9	50-200			
CS (2247086-BS1)							Prepared: 1	1/17/22 An	alyzed: 11/19/22
riesel Range Organics (C10-C28)	219	25.0	250		87.8	38-132			
urrogate: n-Nonane	40.3		50.0		80.5	50-200			
Matrix Spike (2247086-MS1)				Source:	E211108-1	15	Prepared: 1	1/17/22 An	alyzed: 11/19/22
viesel Range Organics (C10-C28)	221	25.0	250	ND	88.5	38-132			
urrogate: n-Nonane	38.5		50.0		77.1	50-200			
Matrix Spike Dup (2247086-MSD1)				Source:	E211108-1	15	Prepared: 1	1/17/22 An	alyzed: 11/19/22
tiesel Range Organics (C10-C28)	208	25.0	250	ND	83.2	38-132	6.07	20	
urrogate: n-Nonane	38.4		50.0		76.8	50-200			



Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager		Beetle Juice 19 F 01058-0007 Tom Bynum	Fed 3				<b>Reported:</b> 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	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2247101-BLK1)						Prepared: 1	1/18/22 Anal	yzed: 11/19/22
Chloride	ND	20.0						
LCS (2247101-BS1)						Prepared: 1	1/18/22 Anal	yzed: 11/19/22
Chloride	245	20.0	250	98.1	90-110			
LCS Dup (2247101-BSD1)						Prepared: 1	1/18/22 Anal	yzed: 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.



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CS 86  O: OD   CS 87  D: O5   CS 88  Additional Instructions: Billing # 2094/8/31  (field sampler), attest to the validity and authensity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, samples requiring thermal preservation must be received on ic acked in ice at an avg temp above 0 but less than 6 "Con sul atternational by: (Signature)   Date   Time   Date   Date   Time   Date   Dat	
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Additional Instructions:    Billing # 2D9LB 3    Additional Instructions:   Bi	
(field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, late or time of collection is considered fraud and may be grounds for legal action.  Sampled by: Signature)  Date  Time  Received by: (Signature)  Date  Time  Time  Received by: (Signature)  Date  Time  AVG Temp °C  AVG Temp °C	
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ample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	



Printed: 11/18/2022 10:59:59AM

#### **Envirotech Analytical Laboratory**

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)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location mat	ch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: C	ourier	
	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier. <u>C</u>	<u>courier</u>	
	Il samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic			•	Commo	ents/Resolution
Sample T	Turn Around Time (TAT)					0E 121 1
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes		Project Beetle Juice 1	
Sample C	Cooler				separated into 8 repor	ts.
7. Was a s	sample cooler received?		Yes		E211103/E211104/E2	.11105/E211106/E211
8. If yes,	was cooler received in good condition?		Yes		107/E211108/E21110	9/E211110 COC
9. Was the	e sample(s) received intact, i.e., not broken?		Yes		received with white o	
10. Were	custody/security seals present?		No			at on time sampled
11. If yes	, were custody/security seals intact?		NA		by client.	
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
	Container	temperature. 1	<u>~</u>			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?	,	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lal	· · · · · · · · · · · · · · · · · · ·	iors corrected.	105			
	field sample labels filled out with the minimum info	rmation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		No			
	<u>Preservation</u>					
	the COC or field labels indicate the samples were pr	eserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved m	etals?	No			
	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multiphas	se?	No			
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcontr	act Laboratory					
	amples required to get sent to a subcontract laborator	v?	No			
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	o: na	
	nstruction					
	<del></del>					

Date

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

Report to: Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





# 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** Lynn Jarboe

Technical Representative/Client Services

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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	Reported:	
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.



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	11/21/2022 1:53:07PM

#### **CS89**

#### E211109-01

	2211107 01					
	Reporting					
Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	IY		Batch: 2247105
ND	0.0250		1	11/18/22	11/19/22	
ND	0.0250		1	11/18/22	11/19/22	
ND	0.0250		1	11/18/22	11/19/22	
ND	0.0250		1	11/18/22	11/19/22	
ND	0.0500		1	11/18/22	11/19/22	
ND	0.0250		1	11/18/22	11/19/22	
	96.3 %	70-130		11/18/22	11/19/22	
	102 %	70-130		11/18/22	11/19/22	
	102 %	70-130		11/18/22	11/19/22	
mg/kg	mg/kg		Analyst:	IY		Batch: 2247105
ND	20.0		1	11/18/22	11/19/22	
ND	20.0 96.3 %	70-130	1	11/18/22 11/18/22	11/19/22 11/19/22	
ND			1			
ND	96.3 %	70-130	1	11/18/22	11/19/22	
ND mg/kg	96.3 % 102 %	70-130 70-130 70-130	1 Analyst:	11/18/22 11/18/22 11/18/22	11/19/22 11/19/22	Batch: 2247087
	96.3 % 102 % 102 %	70-130 70-130 70-130		11/18/22 11/18/22 11/18/22	11/19/22 11/19/22	Batch: 2247087
mg/kg	96.3 % 102 % 102 % mg/kg	70-130 70-130 70-130		11/18/22 11/18/22 11/18/22 RAS	11/19/22 11/19/22 11/19/22	Batch: 2247087
mg/kg ND	96.3 % 102 % 102 % mg/kg 25.0	70-130 70-130 70-130		11/18/22 11/18/22 11/18/22 RAS 11/17/22	11/19/22 11/19/22 11/19/22 11/21/22	Batch: 2247087
mg/kg ND	96.3 % 102 % 102 % mg/kg 25.0 50.0	70-130 70-130 70-130 50-200		11/18/22 11/18/22 11/18/22 RAS 11/17/22 11/17/22	11/19/22 11/19/22 11/19/22 11/21/22 11/21/22	Batch: 2247087  Batch: 2247102
	mg/kg  ND  ND  ND  ND  ND  ND  ND  ND  ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           PO         96.3 %           102 %         102 %	Result         Limit         Dil           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           PO         0.0250           102 %         70-130           102 %         70-130	Result         Limit         Dilution           mg/kg         mg/kg         Analyst:           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           102 %         70-130           102 %         70-130           102 %         70-130	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/18/22           ND         0.0250         1         11/18/22           ND         0.0250         1         11/18/22           ND         0.0250         1         11/18/22           ND         0.0500         1         11/18/22           ND         0.0250         1         11/18/22           ND         0.0250         1         11/18/22           102 %         70-130         11/18/22           102 %         70-130         11/18/22           102 %         70-130         11/18/22	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         11/18/22         11/19/22           ND         0.0500         1         11/18/22         11/19/22           ND         0.0250         1         11/18/22         11/19/22           ND         0.0250         1         11/18/22         11/19/22           102 %         70-130         11/18/22         11/19/22           102 %         70-130         11/18/22         11/19/22



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	11/21/2022 1:53:07PM

### **CS90**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247102
Chloride	ND	20.0		1	11/18/22	11/19/22	



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	11/21/2022 1:53:07PM

### **CS91**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	analyst: KL		Batch: 2247102
imions by Elitteooio/2000il						

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	11/21/2022 1:53:07PM

### **CS92**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247102
Chloride	ND	20.0		1	11/18/22	11/19/22	



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	11/21/2022 1:53:07PM

### **CS93**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247102
Chloride	ND	20.0		1	11/18/22	11/19/22	



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	11/21/2022 1:53:07PM

### **CS94**

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2247102
7 HII OH S D Y 12 17 1 5 0 0 : 0 / 5 0 5 0 7 1						



I	Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
I	PO Box 247	Project Number:	01058-0007	Reported:
I	Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 1:53:07PM

### **CS95**

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepare	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2247105
Benzene	ND	0.0250	1	11/18/2	2 11/19/22	
Ethylbenzene	ND	0.0250	1	11/18/2	2 11/19/22	
Toluene	ND	0.0250	1	11/18/2	2 11/19/22	
o-Xylene	ND	0.0250	1	11/18/2	2 11/19/22	
p,m-Xylene	ND	0.0500	1	11/18/2	2 11/19/22	
Total Xylenes	ND	0.0250	1	11/18/2	2 11/19/22	
Surrogate: Bromofluorobenzene	·	98.8 %	70-130	11/18/2.	2 11/19/22	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	11/18/2.	2 11/19/22	
Surrogate: Toluene-d8		99.7 %	70-130	11/18/2.	2 11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/2	2 11/19/22	
Surrogate: Bromofluorobenzene		98.8 %	70-130	11/18/2.	2 11/19/22	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	11/18/2.	2 11/19/22	
Surrogate: Toluene-d8		99.7 %	70-130	11/18/2.	2 11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: RAS		Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/2	2 11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/2	2 11/21/22	
Surrogate: n-Nonane		103 %	50-200	11/17/2.	2 11/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: KL		Batch: 2247102



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	11/21/2022 1:53:07PM

### **CS96**

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2247102



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	11/21/2022 1:53:07PM

### **CS97**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2247102
Chloride	ND	20.0		1	11/18/22	11/19/22	



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	11/21/2022 1:53:07PM

### **CS98**

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2247102
11110113 by E171 500:0/205011						



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	11/21/2022 1:53:07PM

### **CS99**

		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2247105
Benzene	ND	0.0250	1	1	1/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	1	1/18/22	11/19/22	
Toluene	ND	0.0250	1	1	1/18/22	11/19/22	
o-Xylene	ND	0.0250	1	1	1/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	1	1/18/22	11/19/22	
Total Xylenes	ND	0.0250	1	1	1/18/22	11/19/22	
Surrogate: Bromofluorobenzene		97.0 %	70-130	1	1/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	I	1/18/22	11/19/22	
Surrogate: Toluene-d8		101 %	70-130	1	1/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	1/18/22	11/19/22	
Surrogate: Bromofluorobenzene		97.0 %	70-130	I	1/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	1	1/18/22	11/19/22	
Surrogate: Toluene-d8		101 %	70-130	I	1/18/22	11/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: RAS			Batch: 2247087
Diesel Range Organics (C10-C28)	ND	25.0	1	1	1/17/22	11/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	1/17/22	11/21/22	
Surrogate: n-Nonane		102 %	50-200	1	1/17/22	11/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2247102
	_						



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	11/21/2022 1:53:07PM

### **CS100**

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2247105
Benzene	ND	0.0250	1	[	11/18/22	11/19/22	
Ethylbenzene	ND	0.0250	1	1	11/18/22	11/19/22	
Toluene	ND	0.0250	1	1	11/18/22	11/19/22	
o-Xylene	ND	0.0250	1	l	11/18/22	11/19/22	
p,m-Xylene	ND	0.0500	1	l	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	<u> </u>	11/17/22	11/21/22	
Surrogate: n-Nonane		104 %	50-200	·	11/17/22	11/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2247102
11110110 0 7 111110 0 0 0 0 1 1							



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	11/21/2022 1:53:07PM

### CS101

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
	mg/kg	mg/kg	A	analyst: KL		Batch: 2247102
Anions by EPA 300.0/9056A	mg/ng	<u>6</u> 6		<u> </u>		



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	11/21/2022 1:53:07PM

### CS102

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	l Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2247102
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						



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	11/21/2022 1:53:07PM

### CS103

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2247102



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	11/21/2022 1:53:07PM

### CS104

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: 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	
A . 1 EDA 200 0/0056 A	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2247102
Anions by EPA 300.0/9056A	8 8	<u> </u>				



Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 1:53:07PM

### CS105

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: 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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ai	nalyst: 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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2247102
Amons by EPA 500.0/9050A	<u> </u>	<u> </u>				



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	11/21/2022 1:53:07PM

### **CS106**

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2247102
Amons by ETA 300.0/3030A							

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	11/21/2022 1:53:07PM

### **CS107**

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2247102
Chloride	ND	20.0		1	11/18/22	11/19/22	



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	11/21/2022 1:53:07PM

### **CS108**

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	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	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/20221:53:07PM

Plains TX, 79355-0247		Project Manager:	: To	om Bynum				11/2	21/2022 1:53:07PN
	V	olatile Organi	c Compo	unds by EF	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247105-BLK1)							Prepared: 11	1/18/22 Anal	yzed: 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: 1	1/18/22 Anal	yzed: 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: 1	1/18/22 Anal	yzed: 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			

0.500

70-130

0.501



Surrogate: Toluene-d8

# **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/20221:53:07PM

Nonhalogenated	Organics by EPA 8015D	- GRO

Analyst: IY

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

Blank (2247105-BLK1)						Prepared: 11	/18/22 Aı	nalyzed: 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 Aı	nalyzed: 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 Aı	nalyzed: 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-CarlsbadProject Name:Beetle Juice 19 Fed 3Reported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum11/21/20221:53:07PM

Plains TX, 79355-0247		Project Manager	r: Io	m Bynum					11/21/2022 1:53:0/PN
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	ORO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2247087-BLK1)							Prepared: 1	1/17/22 Aı	nalyzed: 11/20/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	50.2		50.0		100	50-200			
LCS (2247087-BS1)							Prepared: 1	1/17/22 Aı	nalyzed: 11/20/22
Diesel Range Organics (C10-C28)	231	25.0	250		92.4	38-132			
urrogate: n-Nonane	49.0		50.0		98.0	50-200			
Matrix Spike (2247087-MS1)				Source:	E211109-0	)1	Prepared: 1	1/17/22 A1	nalyzed: 11/20/22
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132			
urrogate: n-Nonane	45.1		50.0		90.2	50-200			
Matrix Spike Dup (2247087-MSD1)				Source:	E211109-0	)1	Prepared: 1	1/17/22 Aı	nalyzed: 11/20/22
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.4	38-132	0.903	20	
'urrogate: n-Nonane	47.2		50.0		94.3	50-200			



LCS Dup (2247102-BSD1)

Chloride

270

Prepared: 11/18/22 Analyzed: 11/19/22

### **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	0	Beetle Juice 19 1058-0007 Tom Bynum	Fed 3			1	<b>Reported:</b> 1/21/2022 1:53:07PM
		, E		300.0/9056	<b>\</b>				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
Blank (2247102-BLK1)							Prepared: 1	1/18/22 An	alyzed: 11/19/22
Chloride	ND	20.0							
LCS (2247102-BS1)							Prepared: 1	1/18/22 An	alyzed: 11/19/22
Chloride	270	20.0	250		108	90-110			

250

20.0

108

90-110

0.0770

#### 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**

ſ	Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
١	PO Box 247	Project Number:	01058-0007	Reported:
١	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.



lient: Pima Environmental	To [	99. Ma	gija veza	Lab U	se On	lv.	i de la elemente de la companya della companya de la companya della		TAT	•	FPΔ D	rogram	
Attention:  Address:  Address:  City, State, Zip Holds, NM, 88240  Chone: 580-748-1613  Attention:  Address:  City, State, Zip  Phone:  Email:		ab W	O# _		Job	Vuml	per	1D	2D		Standard	CWA	SDWA
roject Manager: Tom Bynum Address:	E	21	0#    0	9	01058-0007		2007	Y					
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ty, State, Zip <b>Hobbs, NiVI, 8824</b> 0 none: 580-748-1613   Phone: Email:		۰, ا	,				- 1					State	l
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Time Sampled Date Sampled Matrix No. of Containers Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM		TCEQ 1005 TX-TPH		Remarks	
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dditional Instructions: Billing# 20948/31					le ·					1			
(field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intensete or time of collection is considered fraud and may be grounds for legal action.  Sample:	Scott 41.	,					-				ed on ice the day the Con subsequent day		or received
Pliparished by: (Signature) Date 11/17/22 Time Received by: (Signature) Williams		) Tir		7	Lab Use Only								
ofinguished by: (Signature)  Willy (G 6 U-17-2 1620 Clarke	Date 11/18/2	7 Tin	0.1 2			ived	on ice:		1 N				
elinquished by: (Signature)  Date  Time  Received by: (Sign			ne		<u>T1</u>			<u> </u>			<b>T3</b>		
ımple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				s, <b>p</b> - po	AVG			<u> </u>					



envirotech 388

roject Information	Chain of	Custody									Р	age <u>[4</u>	of <u>[[</u>
lient: Pima Environment	Bill To				Lab	Use O	nly	5 4 1 Salas		T/	AT	EPA P	rogram
Client: Pima Environments Project: Beetle Tuice 19 Fed 3 Project Manager: Tom Bynum Address: 5614 N. lovington to City, State, Ziptlobos, NM, 887 Phone: 580-748-1613	Attention:		Lab	wo# ?[]](	<b>S</b>	Job	Num	ber	1D 2	D 3D	Standard	CWA	SDWA
Project Manager: Tom Synum	Address: City, State, Zip		E2		<u> </u>	Anal	vsis a	-0007 nd Method	<del> </del>		ANUAREN S	<u> </u>	RCRA
ity, State, Zip Hololos, NM. 882	Phone:			Т	-Т-	Allai	y 313 a1		<u>,                                     </u>				INCINA
hone: 580-748-1613	Email:		015	8015								State	
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<b>T</b>	ample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	Metals 6010	Chloride 300.0		BGDOC - NM	TCEQ 1005 TX-TPH		Remarks	.1. 1
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(field sampler), attest to the validity and authenticity of ti	his sample. I am aware that tampering with or intentionally mislabelling the grounds for legal action.	sample locati	on,								lved on ice the day the		or received
											°C on subsequent day		
	7/22 1337 Received by: (Signature)	Date 17-	22	<u>"/"3</u>	37	140.0		on ice:		Use On N	ly		
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elinquished by: (Signature) Date	Time Received by: (Signature)	Date		Time		AVO	3 Tem	ıp°c_4	4				
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous	s, O - Other	Container	Type	g - g 2	ass. p -				er ølass	v - VOA	The second secon		



envirotech Inc.

Printed: 11/18/2022 11:03:41AM

### **Envirotech Analytical Laboratory**

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 0	06:30	Work Order ID:	E211109
Phone:	(575) 631-6977	Date Logged In:	11/17/22 1	5:12	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 1	7:00 (0 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location mat	ch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: C	Coursian	
	e COC complete, i.e., signatures, dates/times, reques	ited analyses?	Yes	Carrier. <u>c</u>	<u>ourici</u>	
	Il samples received within holding time?	and and your	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic				<u>Comme</u>	nts/Resolution
Sample T	Turn Around Time (TAT)				D ' (D (LT' 1)	OF 121 1
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes		Project Beetle Juice 19	
Sample C	Cooler				separated into 8 report	cs.
7. Was a s	sample cooler received?		Yes		E211103/E211104/E2	11105/E211106/E211
8. If yes,	was cooler received in good condition?		Yes		107/E211108/E211109	9/E211110 COC
9. Was the	e sample(s) received intact, i.e., not broken?		Yes		received with white or	
10. Were	custody/security seals present?		No			it on time sampled
11. If yes,	, were custody/security seals intact?		NA		by client.	
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
	Container	temperature. 1	<u>~</u>			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?	)	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · · · · · · · · · · · · · · · · · ·	iors concerca.	105			
	field sample labels filled out with the minimum info	rmation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes	ı		
C	ollectors name?		No			
	<u>Preservation</u>					
	the COC or field labels indicate the samples were pr	eserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved m	etals?	No			
<b>Multipha</b>	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multiphas	se?	No			
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcontr	act Laboratory					
	amples required to get sent to a subcontract laborator	ry?	No			
	subcontract laboratory specified by the client and if	•	NA	Subcontract Lab	: na	
Client Ir	nstruction					

Date

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

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

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:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	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