



RECLAMATION CLOSURE REPORT

PREPARED FOR:
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC.

May 20th, 2025
PIMA ENVIRONMENTAL SERVICES, LLC.
5614 N LOVINGTON HWY, HOBBS, NM 88240



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

Bureau of Land Management
620 E Green St.
Carlsbad, NM 88220

RE: RECLAMATION CLOSURE REPORT

LOCATION: Beetle Juice 19 Fed Battery 3

FACILITY ID: fAPP2129455914

GPS: 32.6525167, -103.9121638

INCIDENT LOCATION: UL- C. Section 19, T19S, R31E

COUNTY: Eddy

NMOCD REF. NO. NAPP2220629483

Pima Environmental Services, LLC (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare the Reclamation Closure Report for the Beetle Juice 19 Fed Battery 3 site (hereafter referred to as the "Beetle"). This report provides a comprehensive overview of the site's history, details the reclamation activities that have been undertaken to date, and outlines a proposed plan for ongoing vegetation monitoring.

SITE CHARACTERIZATION

The Beetle is located approximately twelve (12) miles southeast of Loco Hills, NM. This spill site is in Unit C, Section 19, Township 19S, Range 31E, Latitude 32.6525167 Longitude -103.9121638, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up 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, 0 to 5 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a high potential for karst geology to be present around the Beetle (Figure 3). A Topographic Map can be referenced in Figure 2.

Based on the well water data from the New Mexico Office of the State Engineer water well (CP-00873- POD 1), the depth to the nearest groundwater in this vicinity measures 340 feet below grade surface (BGS), positioned 0.18 of a mile away from the Beetle, drilled, January 2, 1998. Conversely, as per the United States Geological Survey well water data (USGS323947103412001), the nearest groundwater depth in this region is recorded at 118 feet BGS, situated approximately 13 miles away from the Beetle, with the last gauge conducted in 2024. The nearest water feature is a Salt Playa located approximately 2.54 miles to the northwest of this site. For detailed references to water surveys and the precise locations of water wells, please refer to Appendix A, inclusive of the relevant maps.



SITE CONDITIONS AND HISTORY

NAPP2220629483

On July 23, 2022, a water tank was struck by lightning causing fluid to 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. A vacuum truck was able to recover 220.44 bbls of standing fluid.

While incident NAPP2220629483 was being addressed, depth to groundwater was classified as <50' BGS due to high karst potential.

On August 11, 2022, Pima Environmental conducted a site assessment and obtained soil samples. The laboratory results of this sampling event can be found in Figure 4. Analytical Laboratory Reports can be found in Appendix D. Photographic Documentation can be found in Appendix C.

On November 7, 2022, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. They began by excavating areas 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 returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in Figure 4. Analytical Laboratory Reports can be found in Appendix D. Photographic Documentation can be found in Appendix C.

The sample results were below NMOCD Closure Criteria 19.15.29 NMAC. Based on these findings, no additional remediation activities were required at this location.

A Remediation Closure Report (Application ID: 271485), was submitted to the NMOCD on October 2, 2023, for approval.

On March 8, 2024, Incident ID: NAPP2220629483, was approved by the NMOCD.

RECLAMATION ACTIVITIES

On May 6, 2025, Pima personnel returned to the site to collect 5-point composite samples from backfilled areas. The results of this sampling event can be found in Figure 4. Analytical Laboratory Reports can be found in Appendix D.

The release and reclamation extent were on the pad and the area was remediated according to 19.15.29.12 NMAC. The confirmation lab sample results verified all samples within the top 4 feet of soil in this area includes non-waste containing, earthen material with chloride levels that are less than 600 mg/kg and TPH concentrations less than 100 mg/kg per 19.15.29.13 NMAC.

REVEGETATION OF THE SITE

Devon Energy will carry out revegetation activities and seeding of the site within 25 years or immediately after the site is no longer needed for production and/or subsequent drilling operations, whichever comes sooner.



REQUEST OF APPROVAL

After careful review, Pima requests that this Reclamation Closure Report for the Beetle Juice 19 Fed Battery 3, incident ID NAPP2220629483, be approved.

Should you have any questions or need additional information, please feel free to contact:

Devon Energy Production – Jim Raley at 575-689-7597 or jim.raley@devon.com.

Pima Environmental – Lynsey Coons at 575-318-7532 or lynsey@pimaoil.com.

Respectfully,

Lynsey Coons

Lynsey Coons

Project Manager

Pima Environmental Services, LLC



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

Beetle Juice 19 Fed Battery 3 | NAPP2220629483

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ATTACHMENTS

FIGURES:

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

APPENDICES:

Appendix A – Water Surveys, Surface Water Map

Appendix B – Soil Survey, Geological Data, FEMA Flood Map, Wetlands Map

Appendix C – 48-Hour Notification, Photographic Documentation

Appendix D – Laboratory Results



FIGURES

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





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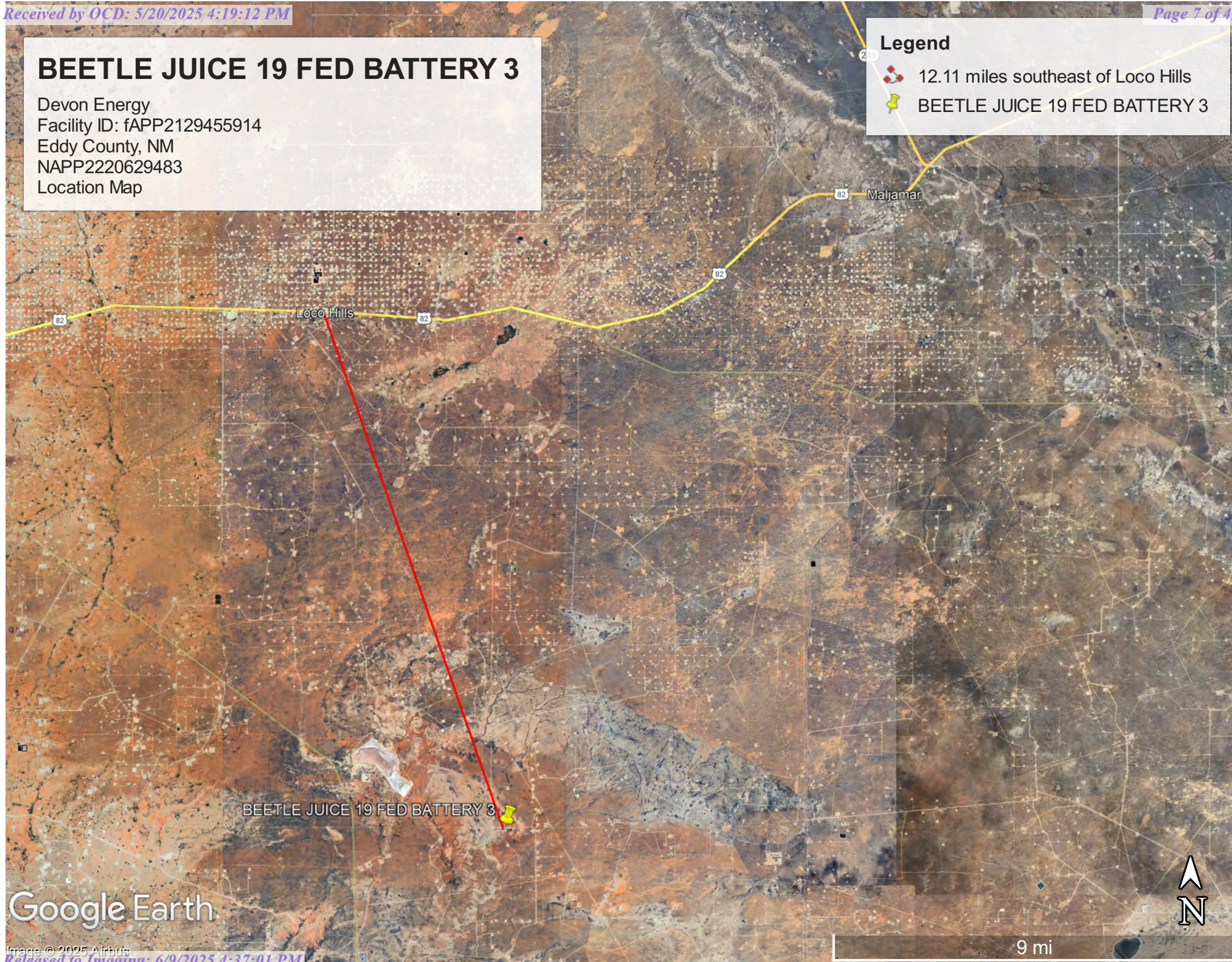
DEVON ENERGY PRODUCTION, LP.

BEETLE JUICE 19 FED BATTERY 3

Devon Energy
Facility ID: fAPP2129455914
Eddy County, NM
NAPP2220629483
Location Map

Legend

-  12.11 miles southeast of Loco Hills
-  BEETLE JUICE 19 FED BATTERY 3



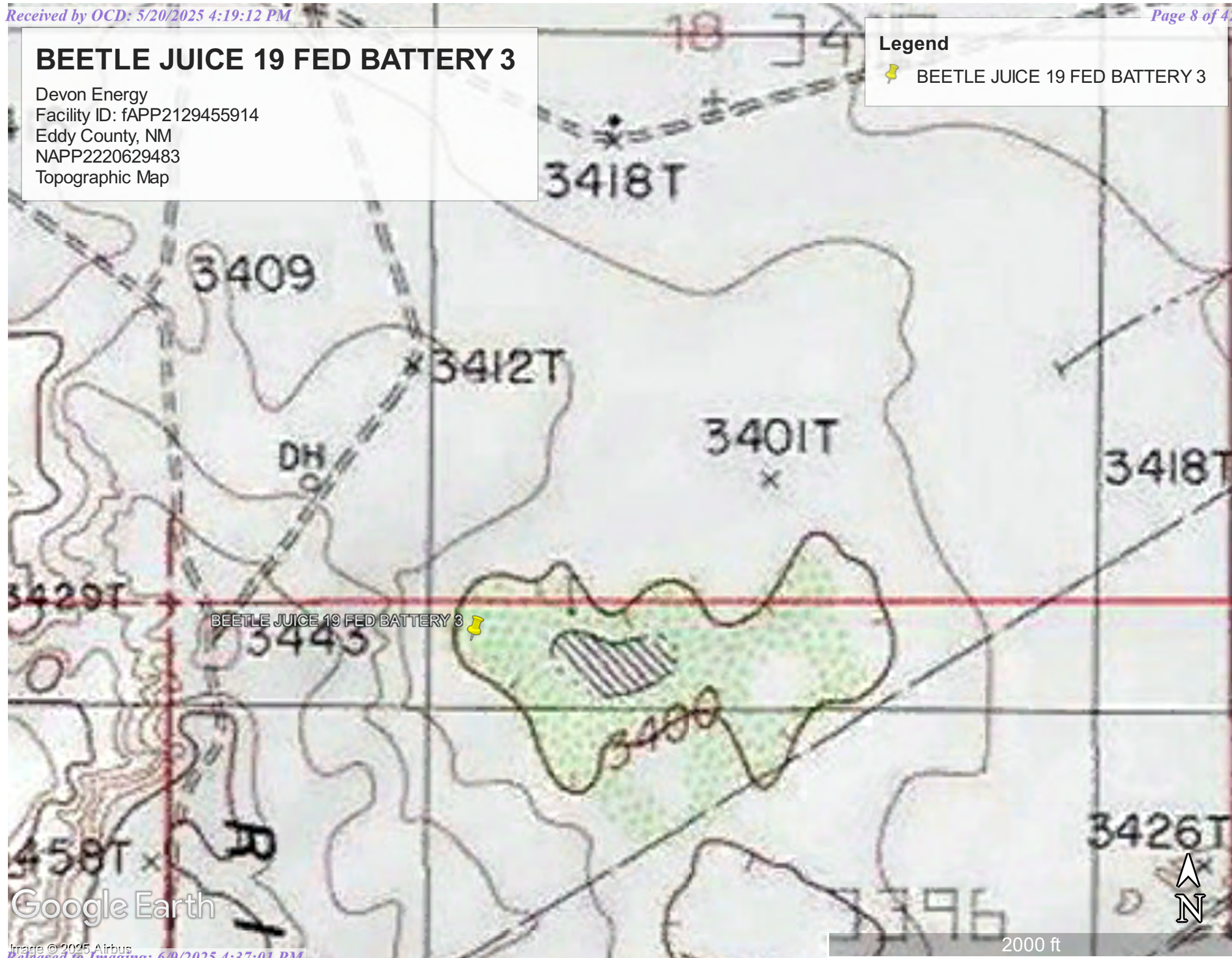
Google Earth

BEETLE JUICE 19 FED BATTERY 3

Devon Energy
Facility ID: fAPP2129455914
Eddy County, NM
NAPP2220629483
Topographic Map

Legend

 BEETLE JUICE 19 FED BATTERY 3








Google Earth

BEETLE JUICE 19 FED BATTERY 3

Devon Energy
Facility ID: fAPP2129455914
Eddy County, NM
NAPP2220629483
Karst Map

Legend

-  BEETLE JUICE 19 FED BATTERY 3
-  High Karst
-  Low Karst
-  Medium Karst

 BEETLE JUICE 19 FED BATTERY 3

Google Earth

Image © 2025 Airbus



1 mi

Assessment Data Tables



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DEVON ENERGY PRODUCTION, LP.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Beetle Juice 19 Fed Battery 3								
Date: 8-11-22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	3'	ND	ND	ND	ND	ND	0	188
S2	3'	ND	ND	ND	ND	ND	0	1310
	4'	ND	ND	ND	ND	ND	0	406
S3	3'	ND	ND	ND	ND	ND	0	844
	4'	ND	ND	ND	ND	ND	0	664
S4	3'	ND	ND	ND	ND	ND	0	3520
	4'	ND	ND	ND	ND	ND	0	1750
	5'	ND	ND	ND	ND	ND	0	ND
S5	3'	ND	ND	ND	ND	ND	0	636
	4'	ND	ND	ND	ND	ND	0	1420
	5'	ND	ND	ND	ND	ND	0	ND
S6	1'	ND	ND	ND	ND	ND	0	109
S7	1'	ND	ND	ND	ND	ND	0	77.8
S8	1'	ND	ND	ND	ND	ND	0	ND
SW1	6"	ND	ND	ND	ND	ND	0	ND
SW2	6"	ND	ND	ND	ND	ND	0	ND
SW3	6"	ND	ND	ND	ND	ND	0	ND
SW4	6"	ND	ND	ND	ND	ND	0	ND
SW5	6"	ND	ND	ND	ND	ND	0	ND
SW6	6"	ND	ND	ND	ND	ND	0	ND
SW7	6"	ND	ND	ND	ND	ND	0	ND
SW8	6"	ND	ND	ND	ND	ND	0	ND
SW9	6"	ND	ND	ND	ND	ND	0	ND
SW10	6"	ND	ND	ND	ND	ND	0	ND
SW11	6"	ND	ND	ND	ND	ND	0	ND
SW12	6"	ND	ND	ND	ND	ND	0	ND
SW13	6"	ND	ND	ND	ND	ND	0	ND
SW14	6"	ND	ND	ND	ND	ND	0	ND
BG1	6"	ND	ND	ND	ND	ND	0	ND
BG2	6"	ND	ND	ND	ND	ND	0	ND

Confirmation Data Tables



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DEVON ENERGY PRODUCTION, LP.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Beetle Juice 19 Fed Battery 3								
Date: 11-16-22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CSW1	5'	ND	ND	ND	ND	ND	0	22.3
CSW2	5'	ND	ND	ND	ND	ND	0	ND
CSW3	5'	ND	ND	ND	ND	ND	0	21
CSW4	5'	ND	ND	ND	ND	ND	0	ND
CSW5	5'	ND	ND	ND	ND	ND	0	ND
CSW6	5'	ND	ND	ND	ND	ND	0	147
CSW7	5'	ND	ND	ND	ND	ND	0	106
CSW8	5'	ND	ND	ND	ND	ND	0	ND
CSW9	5'	ND	ND	ND	ND	ND	0	ND
CSW10	5'	ND	ND	ND	ND	ND	0	ND
CSW11	5'	ND	ND	ND	ND	ND	0	ND
CSW12	5'	ND	ND	ND	ND	ND	0	20.8
CSW13	5'	ND	ND	ND	ND	ND	0	113
CSW14	5'	ND	ND	ND	ND	ND	0	22.4
CSW15	5'	ND	ND	ND	ND	ND	0	ND
CSW16	5'	ND	ND	ND	ND	ND	0	ND
CSW17	5'	ND	ND	ND	ND	ND	0	ND
CSW18	5'	ND	ND	ND	ND	ND	0	30.6
CSW19	5'	ND	ND	ND	ND	ND	0	ND
CSW20	5'	ND	ND	ND	ND	ND	0	ND
CSW21	5'	ND	ND	ND	ND	ND	0	ND
CSW22	5'	ND	ND	ND	ND	ND	0	ND
CSW23	5'	ND	ND	ND	ND	ND	0	39
CSW24	5'	ND	ND	ND	ND	ND	0	ND
CSW25	5'	ND	ND	ND	ND	ND	0	ND
CSW26	5'	ND	ND	ND	ND	ND	0	ND
CSW27	5'	ND	ND	ND	ND	ND	0	ND
CSW28	5'	ND	ND	ND	ND	ND	0	ND
CSW29	5'	ND	ND	ND	ND	ND	0	ND
CSW30	5'	ND	ND	ND	ND	ND	0	ND
CSW31	5'	ND	ND	ND	ND	ND	0	ND
CSW32	5'	ND	ND	ND	ND	ND	0	ND
CS1	5'	ND	ND	ND	ND	ND	0	ND
CS2	5'	ND	ND	ND	ND	ND	0	ND
CS3	5'	ND	ND	ND	ND	ND	0	ND
CS4	5'	ND	ND	ND	ND	ND	0	ND
CS5	5'	ND	ND	ND	ND	ND	0	ND
CS6	5'	ND	ND	ND	ND	ND	0	ND
CS7	5'	ND	ND	ND	ND	ND	0	ND
CS8	5'	ND	ND	ND	ND	ND	0	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Beetle Juice 19 Fed Battery 3								
Date: 11-16-22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS9	5'	ND	ND	ND	ND	ND	0	ND
CS10	5'	ND	ND	ND	ND	ND	0	ND
CS11	5'	ND	ND	ND	ND	ND	0	ND
CS12	5'	ND	ND	ND	ND	ND	0	ND
CS13	5'	ND	ND	ND	ND	ND	0	ND
CS14	5'	ND	ND	ND	ND	ND	0	ND
CS15	5'	ND	ND	ND	ND	ND	0	ND
CS16	5'	ND	ND	ND	ND	ND	0	ND
CS17	5'	ND	ND	ND	ND	ND	0	ND
CS18	5'	ND	ND	ND	ND	ND	0	ND
CS19	5'	ND	ND	ND	ND	ND	0	ND
CS20	5'	ND	ND	ND	ND	ND	0	ND
CS21	5'	ND	ND	ND	ND	ND	0	ND
CS22	5'	ND	ND	ND	ND	ND	0	ND
CS23	5'	ND	ND	ND	ND	ND	0	ND
CS24	5'	ND	ND	ND	ND	ND	0	ND
CS25	5'	ND	ND	ND	ND	ND	0	ND
CS26	5'	ND	ND	ND	ND	ND	0	ND
CS27	5'	ND	ND	ND	ND	ND	0	ND
CS28	5'	ND	ND	ND	ND	ND	0	ND
CS29	5'	ND	ND	ND	ND	ND	0	ND
CS30	5'	ND	ND	ND	ND	ND	0	ND
CS31	5'	ND	ND	ND	ND	ND	0	ND
CS32	5'	ND	ND	ND	ND	ND	0	ND
CS33	5'	ND	ND	ND	ND	ND	0	ND
CS34	5'	ND	ND	ND	ND	ND	0	ND
CS35	5'	ND	ND	ND	ND	ND	0	ND
CS36	5'	ND	ND	ND	ND	ND	0	ND
CS37	5'	ND	ND	ND	ND	ND	0	ND
CS38	5'	ND	ND	ND	ND	ND	0	ND
CS39	5'	ND	ND	ND	ND	ND	0	ND
CS40	5'	ND	ND	ND	ND	ND	0	ND
CS41	5'	ND	ND	ND	ND	ND	0	29.7
CS42	5'	ND	ND	ND	ND	ND	0	ND
CS43	5'	ND	ND	ND	ND	ND	0	28.9
CS44	5'	ND	ND	ND	ND	ND	0	ND
CS45	5'	ND	ND	ND	ND	ND	0	ND
CS46	5'	ND	ND	ND	ND	ND	0	ND
CS47	5'	ND	ND	ND	ND	ND	0	33.9
CS48	5'	ND	ND	ND	ND	ND	0	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Beetle Juice 19 Fed Battery 3								
Date: 11-16-22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS49	5'	ND	ND	ND	ND	ND	0	ND
CS50	5'	ND	ND	ND	ND	ND	0	ND
CS51	5'	ND	ND	ND	ND	ND	0	ND
CS52	5'	ND	ND	ND	ND	ND	0	29.5
CS53	5'	ND	ND	ND	ND	ND	0	ND
CS54	5'	ND	ND	ND	ND	ND	0	ND
CS55	5'	ND	ND	ND	ND	ND	0	ND
CS56	5'	ND	ND	ND	ND	ND	0	ND
CS57	5'	ND	ND	ND	ND	ND	0	ND
CS58	5'	ND	ND	ND	ND	ND	0	ND
CS59	5'	ND	ND	ND	ND	ND	0	ND
CS60	5'	ND	ND	ND	ND	ND	0	ND
CS61	5'	ND	ND	ND	ND	ND	0	20.7
CS62	5'	ND	ND	ND	ND	ND	0	ND
CS63	5'	ND	ND	ND	ND	ND	0	ND
CS64	5'	ND	ND	ND	ND	ND	0	ND
CS65	5'	ND	ND	ND	ND	ND	0	ND
CS66	5'	ND	ND	ND	ND	ND	0	ND
CS67	5'	ND	ND	ND	ND	ND	0	ND
CS68	5'	ND	ND	ND	ND	ND	0	ND
CS69	5'	ND	ND	ND	ND	ND	0	ND
CS70	5'	ND	ND	ND	ND	ND	0	ND
CS71	5'	ND	ND	ND	ND	ND	0	ND
CS72	5'	ND	ND	ND	ND	ND	0	ND
CS73	5'	ND	ND	ND	ND	ND	0	ND
CS74	5'	ND	ND	ND	ND	ND	0	ND
CS75	5'	ND	ND	ND	ND	ND	0	ND
CS76	5'	ND	ND	ND	ND	ND	0	ND
CS77	5'	ND	ND	ND	ND	ND	0	ND
CS78	5'	ND	ND	ND	ND	ND	0	ND
CS79	5'	ND	ND	ND	ND	ND	0	ND
CS80	5'	ND	ND	ND	ND	ND	0	ND
CS81	5'	ND	ND	ND	ND	ND	0	ND
CS82	5'	ND	ND	ND	ND	ND	0	ND
CS83	5'	ND	ND	ND	ND	ND	0	ND
CS84	5'	ND	ND	ND	ND	ND	0	ND
CS85	5'	ND	ND	ND	ND	ND	0	ND
CS86	5'	ND	ND	ND	ND	ND	0	ND
CS87	5'	ND	ND	ND	ND	ND	0	ND
CS88	5'	ND	ND	ND	ND	ND	0	ND
CS89	5'	ND	ND	ND	ND	ND	0	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Beetle Juice 19 Fed Battery 3								
Date: 11-16-22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS90	5'	ND	ND	ND	ND	ND	0	ND
CS91	5'	ND	ND	ND	ND	ND	0	ND
CS92	5'	ND	ND	ND	ND	ND	0	ND
CS93	5'	ND	ND	ND	ND	ND	0	ND
CS94	5'	ND	ND	ND	ND	ND	0	ND
CS95	5'	ND	ND	ND	ND	ND	0	ND
CS96	5'	ND	ND	ND	ND	ND	0	ND
CS97	5'	ND	ND	ND	ND	ND	0	ND
CS98	5'	ND	ND	ND	ND	ND	0	ND
CS99	5'	ND	ND	ND	ND	ND	0	ND
CS100	5'	ND	ND	ND	ND	ND	0	ND
CS101	5'	ND	ND	ND	ND	ND	0	ND
CS102	5'	ND	ND	ND	ND	ND	0	ND
CS103	5'	ND	ND	ND	ND	ND	0	ND
CS104	5'	ND	ND	ND	ND	ND	0	ND
CS105	5'	ND	ND	ND	ND	ND	0	ND
CS106	5'	ND	ND	ND	ND	ND	0	ND
CS107	5'	ND	ND	ND	ND	ND	0	ND
CS108	5'	ND	ND	ND	ND	ND	0	ND
CS109	5'	ND	ND	ND	ND	ND	0	ND
CS110	5'	ND	ND	ND	ND	ND	0	ND
CS111	5'	ND	ND	ND	ND	ND	0	ND
CS112	5'	ND	ND	ND	ND	ND	0	ND
CS113	5'	ND	ND	ND	ND	ND	0	ND
CS114	5'	ND	ND	ND	ND	ND	0	ND
CS115	5'	ND	ND	ND	ND	ND	0	ND
CS116	5'	ND	ND	ND	ND	ND	0	ND
CS117	5'	ND	ND	ND	ND	ND	0	ND
CS118	5'	ND	ND	ND	ND	ND	0	ND
CS119	5'	ND	ND	ND	ND	ND	0	ND
CS120	5'	ND	ND	ND	ND	ND	0	ND
CS121	5'	ND	ND	ND	ND	ND	0	ND
CS122	5'	ND	ND	ND	ND	ND	0	ND
CS123	5'	ND	ND	ND	ND	ND	0	ND
CS124	5'	ND	ND	ND	ND	ND	0	ND

Backfill Data Tables



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DEVON ENERGY PRODUCTION, LP.


NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY Beetle Juice 19 Fed Battery 3								
Date: 5-6-25		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
BACKFILL 1	Comp	ND	ND	ND	ND	ND	0	ND
BACKFILL 2	Comp	ND	ND	ND	ND	ND	0	ND
BACKFILL 3	Comp	ND	ND	ND	ND	ND	0	ND
BACKFILL 4	Comp	ND	ND	ND	ND	ND	0	ND
BACKFILL 5	Comp	ND	ND	ND	ND	ND	0	ND
BACKFILL 6	Comp	ND	ND	ND	ND	ND	0	ND
BACKFILL 7	Comp	ND	ND	ND	ND	ND	0	ND
BACKFILL 8	Comp	ND	ND	ND	ND	ND	0	ND

Beetlejuice 19 3 Battery

Devon Eenergy
API:
Eddy County, NM
Site Map

Legend

 Beetlejuice 19 3 Battery

 Beetlejuice 19 3 Battery

Google Earth








100 ft

Beetlejuice 19 Fed 3 Battery

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

Legend

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

Beetle juice 19 3H 



200 ft

Google Earth

APPENDIX A

OSE Water Survey

USGS Water Survey

Surface Water Map




Pima Environmental Services, LLC
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DEVON ENERGY PRODUCTION, LP.

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest
NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tw	Rng	X	Y	Map
	CP 00873 POD1		NW	NW	19	19S	31E	601772.0	3613147.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	421	Driller Company:	GLENN'S WATER WELL SERVICE		
Driller Name:	GLENN, CLARK A. "CORKY"				
Drill Start Date:	1998-01-02	Drill Finish Date:	1998-01-05	Plug Date:	
Log File Date:	1998-01-15	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	50
Casing Size:	6.62	Depth Well:	340	Depth Water:	180

Water Bearing Stratifications:

Top	Bottom	Description
240	320	Shallow Alluvium/Basin Fill

Casing Perforations:

Top	Bottom
226	340

Meter Information

Meter Number:	805	Meter Make:	MASTER
Meter Serial Number:	1748543	Meter Multiplier:	100.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
1999-01-01	1999	37400.000	A	fm		0.000	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
1999-01-15	1999	43541.000	A	fm		1.885	
2000-04-27	2000	14849.000	R	jw	Meter Rollover	298.083	
2000-07-31	2000	24399.000	A	jw		2.931	

YTD Meter Amounts:

Year	Amount
1999	1.885
2000	301.014

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.

5/19/25 9:18 AM MST

Point of Diversion Summary

BEETLE JUICE 19 FED BATTERY 3

Devon Energy
Facility ID: fAPP2129455914
Eddy County, NM
NAPP2220629483
OSE POD Map

Legend

- 0.18 miles
- BEETLE JUICE 19 FED BATTERY 3
- CP 00873 POD1

BEETLE JUICE 19 FED BATTERY 3

CP 00873 POD1

Google Earth

Image © 2025 Airbus

Released to Imaging: 6/9/2025 4:37:01 PM

900 ft





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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation



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

Search Results -- 1 sites found

site_no list =

- 323947103412001

Minimum number of levels = 1

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

USGS 323947103412001 19S.33E.17.11224 40

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°40'01.8", Longitude 103°41'24.3" NAD83

Land-surface elevation 3,654 feet above NAVD88

The depth of the well is 131 feet below land surface.

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

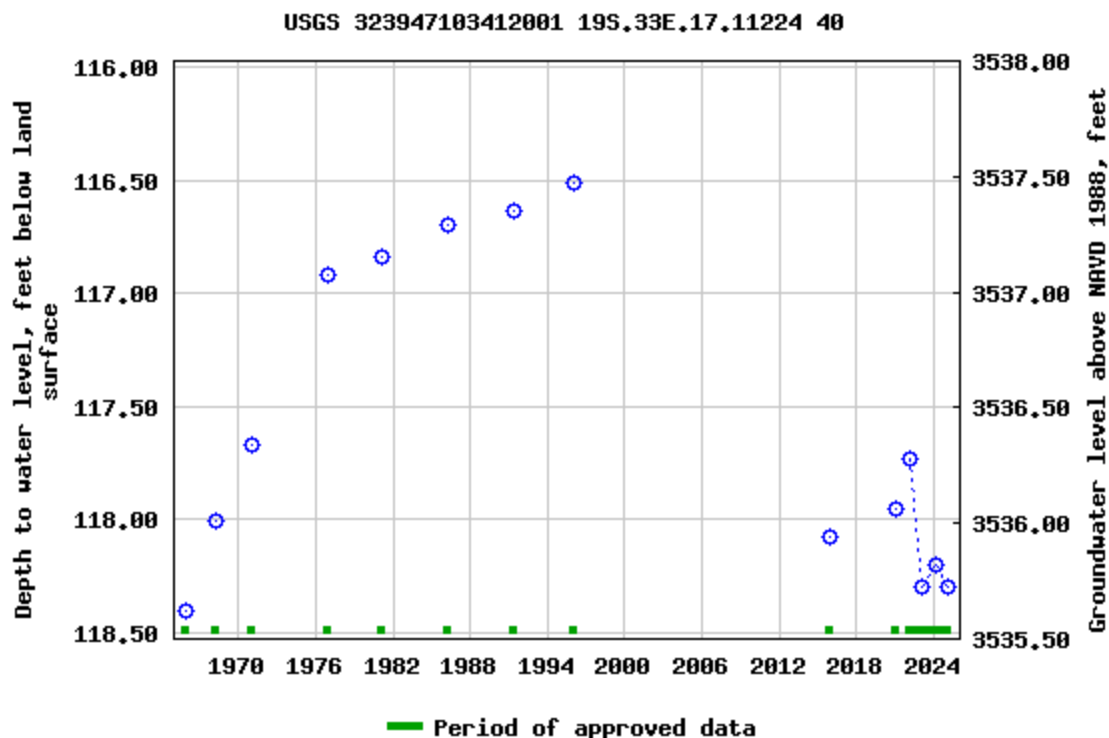
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

[Questions or Comments](#)

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[Data Tips](#)

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

Title: Groundwater for USA: Water Levels

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

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

Page Last Modified: 2025-05-19 11:29:56 EDT

0.62 0.44 nadww02



BEETLE JUICE 19 FED BATTERY 3

Devon Energy
Facility ID: fAPP2129455914
Eddy County, NM
NAPP2220629483
USGS Map

Legend

- 12.99 miles
- BEETLE JUICE 19 FED BATTERY 3
- USGS 323947103412001

BEETLE JUICE 19 FED BATTERY 3

USGS 323947103412001

Google Earth

Image © 2025 Airbus

Released to Imaging: 6/9/2025 4:37:01 PM




8 mi



BEETLE JUICE 19 FED BATTERY 3

Devon Energy
Facility ID: fAPP2129455914
Eddy County, NM
NAPP2220629483
Surface Water Map

Legend

-  2.54 miles
-  BEETLE JUICE 19 FED BATTERY 3
-  Salt Playa

Salt Playa

BEETLE JUICE 19 FED BATTERY 3

Google Earth

Image © 2025 Airbus

Released to Imaging: 6/9/2025 4:37:01 PM



2 mi

APPENDIX B

Soil Survey & Geological Data

Geologic Unit Map

FEMA Flood Map

Wetlands Map



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

DEVON ENERGY PRODUCTION, LP.

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

Eddy Area, New Mexico

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

Map Unit Setting

National map unit symbol: 1w5x

Elevation: 1,800 to 5,000 feet

Mean annual precipitation: 8 to 24 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 55 percent

Bippus and similar soils: 30 percent

Minor components: 15 percent

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

Description of Simona

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam

H2 - 19 to 23 inches: indurated

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: Very high

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

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

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

Sodium adsorption ratio, maximum: 1.0

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

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

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

Ecological site: R070BD002NM - 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: Occasional
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: R070BC017NM - Bottomland
Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 8 percent
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Bippus

Percent of map unit: 7 percent
Ecological site: R070BC017NM - Bottomland

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

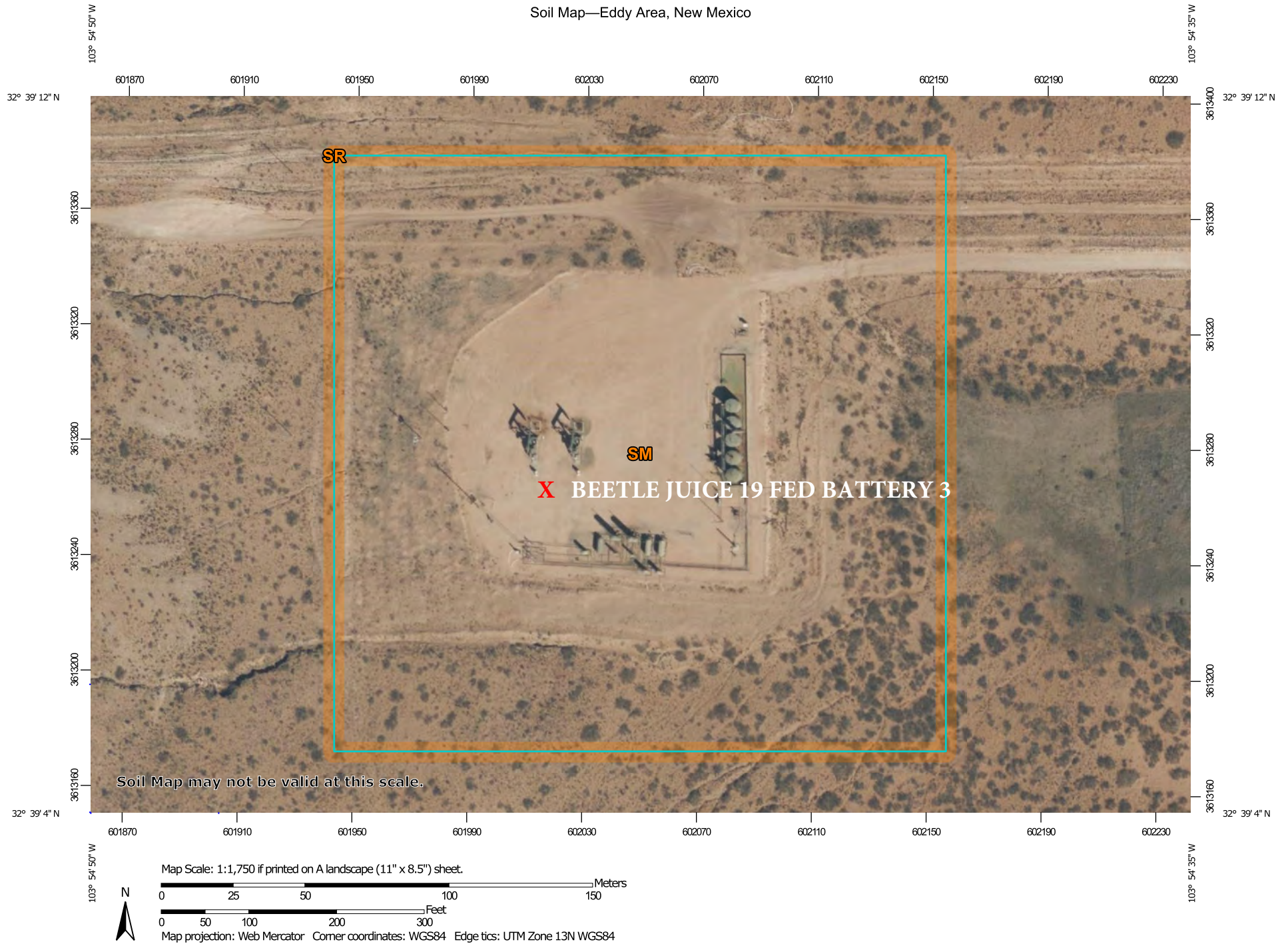
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 20, Sep 3, 2024

Soil Map—Eddy Area, New Mexico



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

5/19/2025
Page 1 of 3

Soil Map—Eddy Area, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 20, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
SM	Simona-Bippus complex, 0 to 5 percent slopes	10.9	100.0%
SR	Stony and Rough broken land	0.0	0.0%
Totals for Area of Interest		10.9	100.0%

(<https://www.usgs.gov/>)

Mineral Resources (<https://www.usgs.gov/energy-and-minerals/mineral-resources-program>)

/ Online Spatial Data (/) / Geology (/geology/) / by state (/geology/state/)

/ New Mexico (/geology/state/state.php?state=NM)

Eolian and piedmont deposits

XML (/geology/state/xml/NMQep;0)

JSON (/geology/state/json/NMQep;0)

Shapefile (/geology/state/unit-shape.php?unit=NMQep;0)

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.

State New Mexico (/geology/state/state.php?state=NM)

Name Eolian and piedmont deposits

Geologic age Holocene to middle Pleistocene

Lithologic constituents Major
Unconsolidated (Eolian) Interlayered eolian sands and piedmont-slope deposits

References New Mexico Bureau of Geology and Mineral Resources, 2003, Geologic Map of New Mexico, scale 1:500,000 (includes some new polygons, faults, and attributes not in NM001 - heads up digitizing by JHorton).

NGMDB product NGMDB product page for 22974
(https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)

Counties Chaves (/geology/state/fips-unit.php?code=f35005) - DeBaca (/geology/state/fips-unit.php?code=f35011) - Eddy (/geology/state/fips-unit.php?code=f35015) - Lea (/geology/state/fips-unit.php?code=f35025) - Roosevelt (/geology/state/fips-unit.php?code=f35041)

DOI Privacy Policy (<https://www.doi.gov/privacy>) | Legal (https://www.usgs.gov/laws/policies_notices.html) |

Accessibility (<https://www2.usgs.gov/laws/accessibility.html>) | Site Map (<https://www.usgs.gov/sitemap.html>) |

Contact USGS (<https://answers.usgs.gov/>)

U.S. Department of the Interior (<https://www.doi.gov/>) | DOI Inspector General (<https://www.doiig.gov/>) |




White House (<https://www.whitehouse.gov/>) | E-gov (<https://www.whitehouse.gov/omb/management/egov/>) |

No Fear Act (<https://www.doi.gov/pmb/eeo/no-fear-act>) | FOIA (<https://www2.usgs.gov/foia>)

BEETLE JUICE 19 FED BATTERY 3

Devon Energy
Facility ID: fAPP2129455914
Eddy County, NM
NAPP2220629483
Geological Map

Legend

-  BEETLE JUICE 19 FED BATTERY 3
-  Eolian and piedmont deposits
-  Piedmont alluvial deposits

BEETLE JUICE 19 FED BATTERY 3

Google Earth

Image © 2025 Airbus

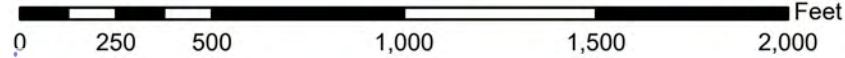
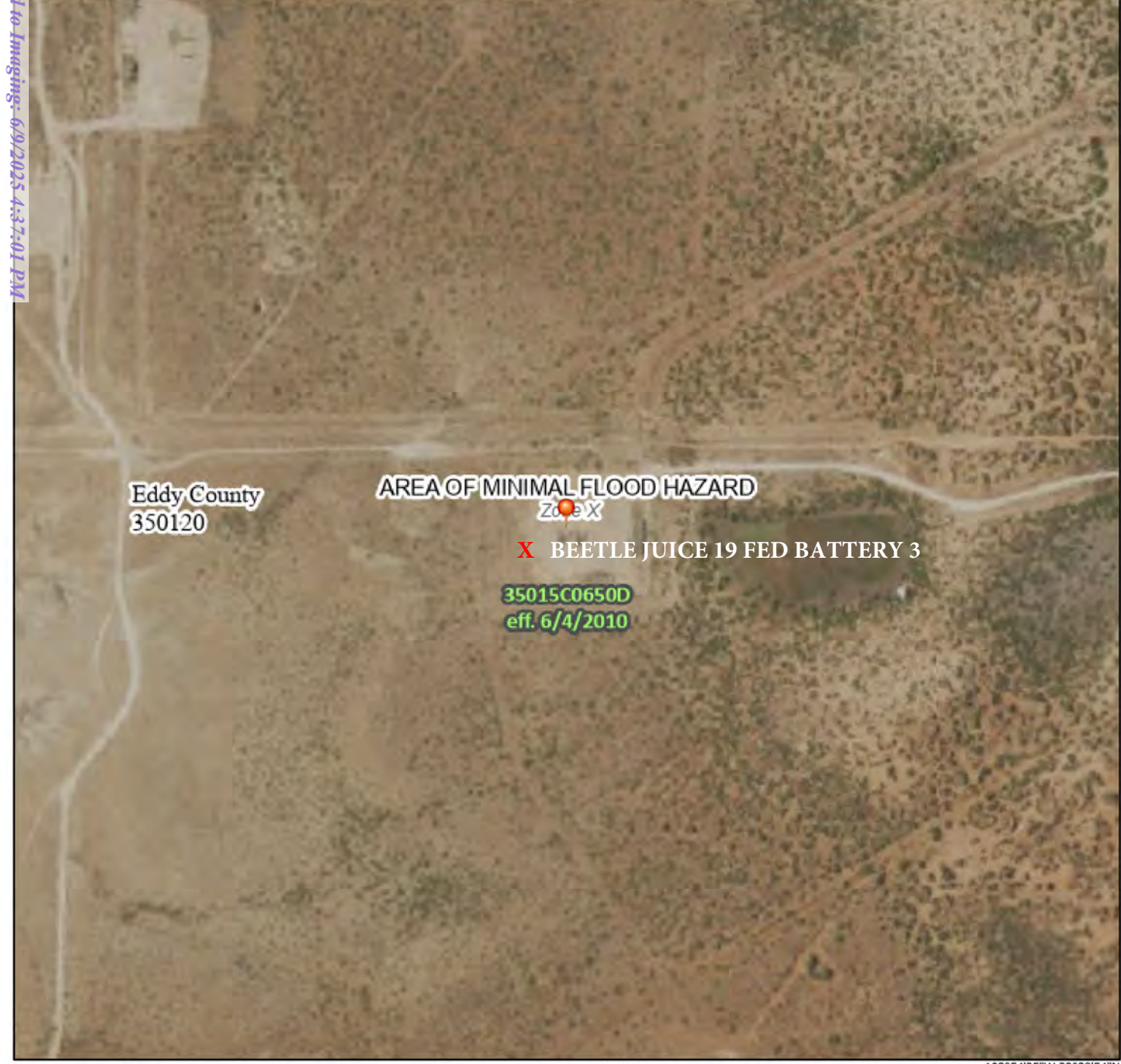


4000 ft

National Flood Hazard Layer FIRMette



103°55'3"W 32°39'24"N



1:6,000

103°54'25"W 32°38'54"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		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 5/19/2025 at 6:45 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Received by OCD: 5/20/2025 4:19:12 PM

Page 39 of 422



Wetlands Map



May 19, 2025

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

48-Hour Notification

Photographic Documentation



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

DEVON ENERGY PRODUCTION, LP.



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.



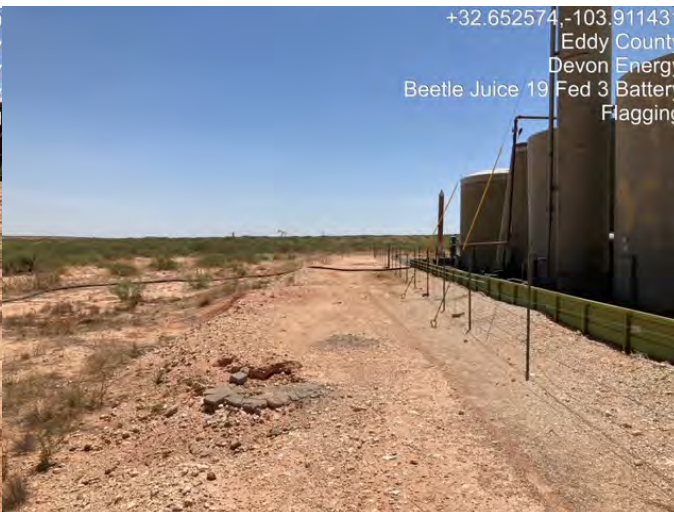
SITE PHOTOGRAPHS
DEVON ENERGY
BEETLEJUICE 19 3 BATTERY

Pre-Treatment





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



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



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



5' Excavation

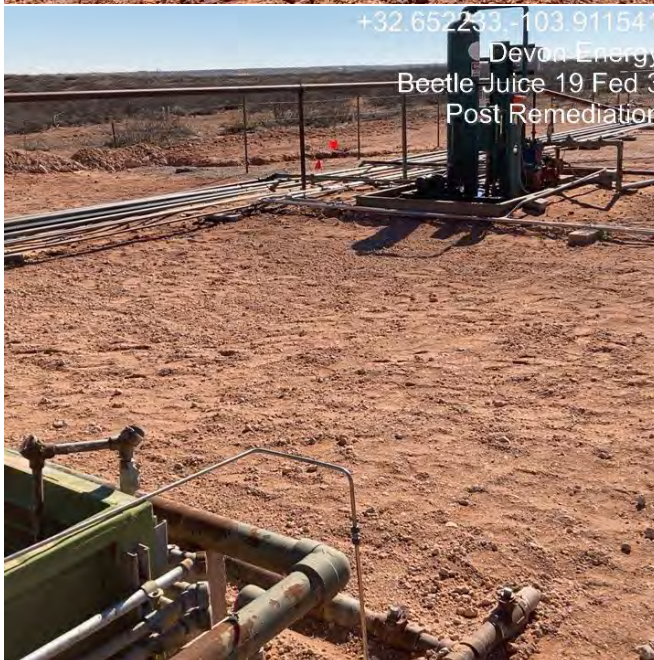




Post Excavation











Apr 3, 2023

Tom Bynum
Pima Oil/Environmental

Re: Devon – Beetlejuice 19-3 Battery

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

Nov 10, 2022
668.39 tons

Nov 11-17, 2022
284.77 tons

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

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

Here's what I found.

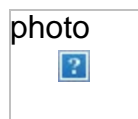
Nov 10

668.39 tons disposed

Nov 11-17

284.77 tons disposed

Hope that helps!

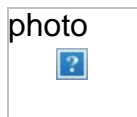


Shelley Denton
LeaLand, LLC
(405) 249-1667
Shelley@lealandllc.com

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.



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. 7th, 2022 and Nov. 16th 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 D

Laboratory Results



Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

DEVON ENERGY PRODUCTION, LP.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Beetle Juice 19 Fed 3

Work Order: E208102

Job Number: 01058-0007

Received: 8/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/24/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 8/24/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

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

Tom Bynum,

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

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

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

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



Sample Data

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

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

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

S.1 3'
E208102-01

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>	99.9 %	70-130		08/18/22	08/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.3 %	70-130		08/18/22	08/20/22	
<i>Surrogate: Toluene-d8</i>	105 %	70-130		08/18/22	08/20/22	
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	
<i>Surrogate: Bromofluorobenzene</i>	99.9 %	70-130		08/18/22	08/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.3 %	70-130		08/18/22	08/20/22	
<i>Surrogate: Toluene-d8</i>	105 %	70-130		08/18/22	08/20/22	
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	
<i>Surrogate: n-Nonane</i>	77.7 %	50-200		08/19/22	08/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	188	20.0	1	08/18/22	08/19/22	



Sample Data

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

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

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

S.2 3'

E208102-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.0 %	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	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	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
Chloride	1310	20.0	1	08/18/22	08/19/22	



Sample Data

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

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

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

S.2 4'

E208102-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	96.1 %	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		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		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		Analyst: KL		Batch: 2234087
Chloride	406	20.0	1	08/18/22	08/19/22	



Sample Data

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

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

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

S.3 3'

E208102-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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	98.5 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
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	87.2 %	50-200		08/19/22	08/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	844	20.0	1	08/18/22	08/19/22	



Sample Data

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

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

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

S.3 4'

E208102-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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	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	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
Surrogate: n-Nonane	77.2 %	50-200		08/19/22	08/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	664	20.0	1	08/18/22	08/19/22	



Sample Data

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

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

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

S.4 3'

E208102-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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		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		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		Analyst: KL		Batch: 2234087
Chloride	3520	40.0	2	08/18/22	08/19/22	



Sample Data

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

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

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

S.4 4'

E208102-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

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

S.4 5'

E208102-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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
Chloride	ND	20.0	1	08/18/22	08/19/22	



Sample Data

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

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

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

S.5 3'

E208102-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.6 %	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		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	104 %	70-130		08/18/22	08/20/22	
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	80.5 %	50-200		08/19/22	08/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	636	20.0	1	08/18/22	08/19/22	



Sample Data

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

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

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

S.5 4'

E208102-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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		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		Analyst: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
Surrogate: n-Nonane	84.5 %	50-200		08/19/22	08/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	1420	20.0	1	08/18/22	08/19/22	



Sample Data

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

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

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

S.5 5'

E208102-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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	



Sample Data

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

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

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

S.6 1'

E208102-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.4 %	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		Analyst: IY		Batch: 2234066
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/20/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
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	82.9 %	50-200		08/19/22	08/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2234087
Chloride	109	20.0	1	08/18/22	08/19/22	



Sample Data

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

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

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

S.7 1'

E208102-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/19/22	
Surrogate: n-Nonane	84.7 %	50-200		08/19/22	08/19/22	
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	



Sample Data

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

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

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

S.8 1'

E208102-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

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

SW1

E208102-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	80.2 %	50-200		08/19/22	08/20/22	
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	



Sample Data

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

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

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

SW2

E208102-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.9 %	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: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	80.9 %	50-200		08/19/22	08/20/22	
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	



Sample Data

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

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

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

SW3

E208102-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	96.0 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
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	96.0 %	70-130		08/18/22	08/20/22	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		08/18/22	08/20/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/20/22	
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	87.8 %	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	



Sample Data

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

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

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

SW4

E208102-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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: JL		Batch: 2234097
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane		89.3 %	50-200	08/19/22	08/20/22	
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	



Sample Data

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

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

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

SW5

E208102-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

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

SW6

E208102-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.2 %	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		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		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		Analyst: KL		Batch: 2234087
Chloride	ND	20.0	1	08/18/22	08/19/22	



Sample Data

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

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

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

SW7

E208102-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.9 %	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		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		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		Analyst: KL		Batch: 2234088
Chloride	ND	20.0	1	08/18/22	08/22/22	



Sample Data

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

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

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

SW8

E208102-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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
Chloride	ND	20.0	1	08/18/22	08/22/22	



Sample Data

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

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

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

SW9

E208102-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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: JL		Batch: 2234096
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	86.3 %	50-200		08/19/22	08/20/22	
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	



Sample Data

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

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

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

SW10

E208102-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.0 %	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: IY		Batch: 2234067
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/18/22	08/22/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/22/22	
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	86.9 %	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	



Sample Data

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

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

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

SW11

E208102-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

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

SW12

E208102-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.8 %	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	98.6 %	70-130		08/18/22	08/22/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		08/18/22	08/22/22	
Surrogate: Toluene-d8	103 %	70-130		08/18/22	08/22/22	
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	92.6 %	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	



Sample Data

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

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

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

SW13

E208102-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

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

SW14

E208102-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.7 %	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	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	08/19/22	08/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/19/22	08/20/22	
Surrogate: n-Nonane	88.2 %	50-200		08/19/22	08/20/22	
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	



Sample Data

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

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

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

BG1

E208102-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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		96.9 %	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		96.9 %	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		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	



Sample Data

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

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

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

BG2

E208102-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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		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

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

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2234066-BLK1)

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

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

LCS (2234066-BS1)

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

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

Matrix Spike (2234066-MS1)

Source: E208102-02

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

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

Matrix Spike Dup (2234066-MSD1)

Source: E208102-02

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

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



QC Summary Data

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

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2234067-BLK1)

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

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

LCS (2234067-BS1)

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

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

Matrix Spike (2234067-MS1)

Source: E208102-21

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

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

Matrix Spike Dup (2234067-MSD1)

Source: E208102-21

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

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



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2234066-BLK1)

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

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

LCS (2234066-BS2)

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

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

Matrix Spike (2234066-MS2)

Source: E208102-02

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

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

Matrix Spike Dup (2234066-MSD2)

Source: E208102-02

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

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



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2234067-BLK1)

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

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

LCS (2234067-BS2)

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

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

Matrix Spike (2234067-MS2)

Source: E208102-21

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

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

Matrix Spike Dup (2234067-MSD2)

Source: E208102-21

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

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



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2234096-BLK1)					Prepared: 08/19/22 Analyzed: 08/20/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.6		50.0		89.2	50-200			

LCS (2234096-BS1)					Prepared: 08/19/22 Analyzed: 08/20/22				
Diesel Range Organics (C10-C28)	227	25.0	250		90.6	38-132			
Surrogate: n-Nonane	42.3		50.0		84.7	50-200			

Matrix Spike (2234096-MS1)					Source: E208103-07		Prepared: 08/19/22 Analyzed: 08/20/22		
Diesel Range Organics (C10-C28)	249	25.0	250	27.0	88.7	38-132			
Surrogate: n-Nonane	42.0		50.0		84.0	50-200			

Matrix Spike Dup (2234096-MSD1)					Source: E208103-07		Prepared: 08/19/22 Analyzed: 08/20/22		
Diesel Range Organics (C10-C28)	254	25.0	250	27.0	90.6	38-132	1.91	20	
Surrogate: n-Nonane	43.1		50.0		86.2	50-200			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2234097-BLK1) Prepared: 08/19/22 Analyzed: 08/19/22

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

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

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

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

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

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

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



QC Summary Data

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

Anions by EPA 300.0/9056A

Analyst: KL

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

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



QC Summary Data

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

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2234088-BLK1)					Prepared: 08/18/22 Analyzed: 08/22/22				
Chloride	ND	20.0							
LCS (2234088-BS1)					Prepared: 08/18/22 Analyzed: 08/22/22				
Chloride	245	20.0	250		97.8	90-110			
Matrix Spike (2234088-MS1)					Source: E208102-21		Prepared: 08/18/22 Analyzed: 08/22/22		
Chloride	251	20.0	250	ND	100	80-120			
Matrix Spike Dup (2234088-MSD1)					Source: E208102-21		Prepared: 08/18/22 Analyzed: 08/22/22		
Chloride	252	20.0	250	ND	101	80-120	0.139	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

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

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

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

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

Project Information

Chain of Custody

Page 1 of 3

Client: Pima Environmental Services Project: Kettle Juice 19 Feb 3 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 185					Lab Use Only Lab WO# E208102 Job Number 01058-0007 Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA State NM CO UT AZ TX X	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
8:00	8/11/22	S		S.1 3'	1							X								
8:05				S.2 3'	2															
8:10				S.2 4'	3															
8:15				S.3 3'	4															
8:20				S.3 4'	5															
8:25				S.4 3'	6															
8:30				S.4 4'	7															
8:35				S.4 5'	8															
8:40				S.5 3'	9															
8:45				S.5 4'	10															
Additional Instructions: <i>Billing # 21055918</i>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3 4												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Project Information

Chain of Custody

Page 2 of 3

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

Project Information

Chain of Custody

Page 3 of 3

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

Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

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

Chain of Custody (COC)

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

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

Carrier: UPSComments/Resolution

No. of containers not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Beetle Juice 19 Fed 3

Work Order: E211104

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/21/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/21/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

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

Tom Bynum,

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

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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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	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 07:24

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



Sample Data

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

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

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

CSW21

E211104-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.1 %	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	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CSW22

E211104-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.2 %	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	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CSW23

E211104-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.7 %	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	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	39.0	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CSW24

E211104-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.5 %	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	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CSW25

E211104-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.5 %	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	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CSW26

E211104-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.2 %	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	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CSW27

E211104-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.9 %	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	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CSW28

E211104-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.7 %	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	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CSW29

E211104-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		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	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CSW30

E211104-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	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	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CSW31

E211104-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2247078	
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.5 %	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	
<i>Surrogate: n-Nonane</i>		76.6 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2247095	
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CSW32

E211104-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		79.9 %	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	
<i>Surrogate: n-Nonane</i>						
		83.1 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CS1

E211104-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.6 %	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	
<i>Surrogate: n-Nonane</i>						
		84.7 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CS2

E211104-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.0 %	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	
<i>Surrogate: n-Nonane</i>						
		86.6 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CS3

E211104-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.1 %	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	
<i>Surrogate: n-Nonane</i>						
		82.7 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CS4

E211104-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.5 %	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	
<i>Surrogate: n-Nonane</i>						
		81.5 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CS5

E211104-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.5 %	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	
<i>Surrogate: n-Nonane</i>		82.8 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CS6

E211104-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		77.1 %	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	
<i>Surrogate: n-Nonane</i>						
		82.2 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CS7

E211104-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.3 %	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	
<i>Surrogate: n-Nonane</i>						
		81.8 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CS8

E211104-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2247078
Benzene	ND	0.0250	1	11/17/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/17/22	11/18/22	
Toluene	ND	0.0250	1	11/17/22	11/18/22	
o-Xylene	ND	0.0250	1	11/17/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/17/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/17/22	11/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	11/17/22	11/18/22	
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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		79.2 %	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	
<i>Surrogate: n-Nonane</i>						
		81.7 %	50-200	11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2247095
Chloride	ND	20.0	1	11/18/22	11/18/22	



QC Summary Data

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

Volatile Organics by EPA 8021B

Analyst: RKS

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

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

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

LCS (2247078-BS1)

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

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

LCS Dup (2247078-BSD1)

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

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



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247078-BLK1)					Prepared: 11/17/22 Analyzed: 11/18/22				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

LCS (2247078-BS2)					Prepared: 11/17/22 Analyzed: 11/18/22				
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0		94.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.1	70-130			

LCS Dup (2247078-BSD2)					Prepared: 11/17/22 Analyzed: 11/18/22				
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.7	70-130	2.01	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247082-BLK1)					Prepared: 11/17/22 Analyzed: 11/18/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.2		50.0		84.4	50-200			

LCS (2247082-BS1)					Prepared: 11/17/22 Analyzed: 11/18/22				
Diesel Range Organics (C10-C28)	219	25.0	250		87.6	38-132			
Surrogate: n-Nonane	42.0		50.0		84.0	50-200			

Matrix Spike (2247082-MS1)					Source: E211104-11		Prepared: 11/17/22 Analyzed: 11/18/22		
Diesel Range Organics (C10-C28)	216	25.0	250	ND	86.3	38-132			
Surrogate: n-Nonane	41.9		50.0		83.9	50-200			

Matrix Spike Dup (2247082-MSD1)					Source: E211104-11		Prepared: 11/17/22 Analyzed: 11/18/22		
Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.8	38-132	1.68	20	
Surrogate: n-Nonane	42.1		50.0		84.2	50-200			



QC Summary Data

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

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247095-BLK1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	ND	20.0							
LCS (2247095-BS1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	256	20.0	250		102	90-110			
LCS Dup (2247095-BSD1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	257	20.0	250		103	90-110	0.326	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

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

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

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

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

Client: <u>PIMA Environmental</u>		Bill To		Lab Use Only		TAT			EPA Program				
Project: <u>Beele Juice 19 Fed 3</u>		Attention: _____		Lab WO# <u>E21104</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>		Address: _____		Analysis and Method				<input checked="" type="checkbox"/>					
Address: <u>5614 N. Lovington Hwy</u>		City, State, Zip _____		DRO/DRO by 8015		GRO/DRO by 8015		BTX by 8021		VOC by 8260		Metals 6010	
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone: _____		Chloride 300.0									
Phone: <u>580-748-1613</u>		Email: _____											
Email: <u>tom@pima.oil.com</u>		Project# <u>1-147</u>											
Report due by: _____													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
1:40	11/16/22	S	1	CSW 21	1							X		
1:45				CSW 22	2									
1:50				CSW 23	3									
1:55				CSW 24	4									
2:00				CSW 25	5									
2:05				CSW 26	6									
2:10				CSW 27	7									
2:15				CSW 28	8									
2:20				CSW 29	9									
2:25				CSW 30	10									

Additional Instructions: Billing# 20948131

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

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

Relinquished by: (Signature) <u>Andrea Sanders</u>	Date <u>11/17/22</u>	Time <u>1337</u>	Received by: (Signature) <u>Michelle R. Gyp</u>	Date <u>11-17-22</u>	Time <u>1337</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle R. Gyp</u>	Date <u>11-17-22</u>	Time <u>1620</u>	Received by: (Signature) <u>Carla Chast</u>	Date <u>11/18/22</u>	Time <u>16:30</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

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

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

Released by OGD: 6/9/2025 4:37:01 PM

Client: <u>Pima Environmental</u>	Bill To	Lab Use Only		TAT			EPA Program		
Project: <u>Beetle Juice 19 Fed 3</u>	Attention:	Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>	Address:	<u>E2111 04</u>	<u>01058-0007</u>	<u>X</u>					
Address: <u>5614 N. Irvington Hwy</u>	City, State, Zip	Analysis and Method							RCRA
City, State, Zip: <u>Holbrook, NM 88240</u>	Phone:	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	State	
Phone: <u>580-748-1613</u>	Email:							NM	CO
Email: <u>tom@pimaoil.com</u>								<u>X</u>	UT
Report due by:	Project # <u>1-147</u>							AZ	TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
2:30	11/16/22	S	1	CSW 31	11							X		
2:35				CSW 32	12									
2:40				CS 1	13									
2:45				CS 2	14									
2:50				CS 3	15									
2:55				CS 4	16									
3:00				CS 5	17									
3:05				CS 6	18									
3:10				CS 7	19									
3:15				CS 8	20									

Additional Instructions: <u>Billing # 20948131</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Sampled by: <u>Scott H</u>					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only			
<u>Alexandra Sanders</u>		<u>11/17/22</u>	<u>1337</u>	<u>Caroline Gungah</u>		<u>11/17-22</u>	<u>1337</u>	Received on ice: <u>N</u>			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3			
<u>Michelle K. Gub</u>		<u>11-17-22</u>	<u>1620</u>	<u>Carla Ch...</u>		<u>11/18/22</u>	<u>6:30</u>				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>			
								Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.	

Received by OGD: 5/20/2025 4:19:12 PM

Page 133 of 422

Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

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

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Beetle Juice 19 Fed 3

Work Order: E211105

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/21/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/21/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



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

Tom Bynum,

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

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

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

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

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

Respectfully,

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Beetle Juice 19 Fed 3 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/21/22 10:51
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS9	E211105-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS10	E211105-02A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS11	E211105-03A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS12	E211105-04A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS13	E211105-05A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS14	E211105-06A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS15	E211105-07A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS16	E211105-08A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS17	E211105-09A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS18	E211105-10A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS19	E211105-11A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS20	E211105-12A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS21	E211105-13A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS22	E211105-14A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS23	E211105-15A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS24	E211105-16A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS25	E211105-17A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS26	E211105-18A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS27	E211105-19A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS28	E211105-20A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad	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

CS9

E211105-01

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		115 %	70-130	11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>		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	11/17/22	11/18/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		115 %	70-130	11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>		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	11/17/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/18/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	11/17/22	11/18/22	
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	



Sample Data

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

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

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

CS10

E211105-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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		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		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	



Sample Data

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

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

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

CS11

E211105-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

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

CS12

E211105-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.8 %	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		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		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	



Sample Data

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

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

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

CS13

E211105-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	109 %	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: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.4 %	70-130		11/17/22	11/18/22	
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
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CS14

E211105-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	95.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	98.2 %	70-130		11/17/22	11/18/22	
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	98.9 %	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	



Sample Data

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

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

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

CS15

E211105-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

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

CS16

E211105-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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		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		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		99.7 %	70-130	11/17/22	11/18/22	
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
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CS17

E211105-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CS18

E211105-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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		Analyst: RKS		Batch: 2247079
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
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
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CS19

E211105-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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		98.7 %	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: 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		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	



Sample Data

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

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

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

CS20

E211105-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.1 %	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		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		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	
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	



Sample Data

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

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

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

CS21

E211105-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

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

CS22

E211105-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

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

CS23

E211105-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

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

CS24

E211105-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CS25

E211105-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
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	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	100 %	70-130		11/17/22	11/18/22	
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	



Sample Data

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

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

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

CS26

E211105-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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		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		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	



Sample Data

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

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

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

CS27

E211105-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.8 %	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		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		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
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

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

CS28

E211105-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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
Chloride	ND	20.0	1	11/18/22	11/18/22	



QC Summary Data

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

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2247079-BLK1)

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

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

LCS (2247079-BS1)

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

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

LCS Dup (2247079-BSD1)

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

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



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

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

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

LCS (2247079-BS2)

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

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

LCS Dup (2247079-BSD2)

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

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



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

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

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

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

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



QC Summary Data

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

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247096-BLK1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	ND	20.0							
LCS (2247096-BS1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	255	20.0	250		102	90-110			
LCS Dup (2247096-BSD1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	257	20.0	250		103	90-110	0.717	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

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

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

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

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

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

Bill To
 Attention: _____
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Email: _____
 Project # 1-147

Lab Use Only
 Lab WO# E211105 Job Number 01058-0007
 Analysis and Method
 DRO/ORO by 8015
 GRO/DRO by 8015
 BTEX by 8021
 VOC by 8260
 Metals 6010
 Chloride 300.0
 BGDOC - NM
 TCEQ 1005 TX-TPH
 TAT
 1D 2D 3D Standard
 EPA Program
 CWA SDWA
 RCRA
 State
 NM CO UT AZ TX
 X

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
3:20	11/16/22	S	1	CS 9	1							X		
3:25				CS 10	2									
3:30				CS 11	3									
3:35				CS 12	4									
3:40				CS 13	5									
3:45				CS 14	6									
3:50				CS 15	7									
3:55				CS 16	8									
4:00				CS 17	9									
4:05				CS 18	10									

Additional Instructions: Billing# 20948131

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

Sampled by: Scott H.

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

Relinquished by: (Signature) <u>Alfandra Anderson</u>	Date <u>11/17/22</u>	Time <u>1337</u>	Received by: (Signature) <u>Michael G</u>	Date <u>11-17-22</u>	Time <u>1337</u>	Lab Use Only Received on ice: <u>N</u>
Relinquished by: (Signature) <u>Michael G</u>	Date <u>11-17-22</u>	Time <u>1620</u>	Received by: (Signature) <u>Carla Chat</u>	Date <u>11/18/22</u>	Time <u>6:30</u>	T1 T2 T3
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>

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

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

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

Client: <u>Pima Environmental</u>	Bill To	Lab Use Only	TAT			EPA Program								
Project: <u>Beetle Juice 19 Feb 3</u>	Attention:	Lab WO# <u>E211105</u>	Job Number <u>01058-0007</u>	1D	2D	3D	Standard	CWA	SDWA					
Project Manager: <u>Tom Bynum</u>	Address:	Analysis and Method							RCRA					
Address: <u>5614 N Livingston Hwy</u>	City, State, Zip	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	State				
City, State, Zip <u>Hobbs, NM, 88240</u>	Phone:									NM	CO	UT	AZ	TX
Phone: <u>580-748-1613</u>	Email:													
Email: <u>tom@pimadil.com</u>	Project # <u>1447</u>													
Report due by:														

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

Additional Instructions: Billing# 20948131

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature) <u>Alexander Anders</u>		Date <u>11/17/22</u>	Time <u>1337</u>	Received by: (Signature) <u>Michelle Gyle</u>		Date <u>11-17-22</u>	Time <u>1337</u>	Lab Use Only			
Relinquished by: (Signature) <u>Michelle Gyle</u>		Date <u>11-17-22</u>	Time <u>1620</u>	Received by: (Signature) <u>Scott H</u>		Date <u>11/18/22</u>	Time <u>10:30</u>	Received on ice: <u>(Y)</u> N			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____			
								AVG Temp °C <u>4</u>			

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

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

Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

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

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Beetle Juice 19 Fed 3

Work Order: E211107

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/21/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/21/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

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

Tom Bynum,

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

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

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

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

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

Respectfully,

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

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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Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

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



Sample Data

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

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

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

CS49

E211107-01

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



Sample Data

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

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

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

CS50

E211107-02

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



Sample Data

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

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

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

CS51

E211107-03

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



Sample Data

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

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

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

CS52

E211107-04

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



Sample Data

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

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

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

CS53

E211107-05

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



Sample Data

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

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

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

CS54

E211107-06

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



Sample Data

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

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

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

CS55

E211107-07

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



Sample Data

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

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

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

CS56

E211107-08

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



Sample Data

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

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

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

CS57

E211107-09

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



Sample Data

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

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

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

CS58

E211107-10

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



Sample Data

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

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

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

CS59

E211107-11

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



Sample Data

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

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

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

CS60

E211107-12

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



Sample Data

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

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

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

CS61

E211107-13

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



Sample Data

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

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

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

CS62

E211107-14

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



Sample Data

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

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

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

CS63

E211107-15

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



Sample Data

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

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

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

CS64

E211107-16

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



Sample Data

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

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

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

CS65

E211107-17

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



Sample Data

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

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

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

CS66

E211107-18

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



Sample Data

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

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

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

CS67

E211107-19

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



Sample Data

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

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

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

CS68

E211107-20

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



QC Summary Data

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

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247103-BLK1)

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

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

LCS (2247103-BS1)

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

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

LCS Dup (2247103-BSD1)

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

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



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247103-BLK1)

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

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

LCS (2247103-BS2)

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

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

LCS Dup (2247103-BSD2)

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

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



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247085-BLK1)

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.0		50.0		108	50-200			

LCS (2247085-BS1)

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

Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: <i>n</i> -Nonane	50.5		50.0		101	50-200			

Matrix Spike (2247085-MS1)

Source: E211107-19

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

Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132			
Surrogate: <i>n</i> -Nonane	51.6		50.0		103	50-200			

Matrix Spike Dup (2247085-MSD1)

Source: E211107-19

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

Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	4.02	20	
Surrogate: <i>n</i> -Nonane	48.7		50.0		97.4	50-200			



QC Summary Data

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

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2247100-BLK1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	ND	20.0							
LCS (2247100-BS1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	254	20.0	250		102	90-110			
LCS Dup (2247100-BSD1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	258	20.0	250		103	90-110	1.19	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

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

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

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

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

Client: Pima Environmental
 Project: Beetle Juice 19 Feb 3
 Project Manager: Tom Bynum
 Address: 5614 N. Livingston Hwy
 City, State, Zip: Holbrook, NM, 88240
 Phone: 505-748-1613
 Email: tom@pimaoil.com
 Report due by:

Bill To
 Attention: _____
 Address: _____
 City, State, Zip _____
 Phone: _____
 Email: _____
 Project # 1-147

Lab Use Only				TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA	RCRA	
<u>E211107</u>	<u>01058-0007</u>	<u>X</u>							
Analysis and Method								State	
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	CO
								<u>X</u>	
								UT	AZ
								TX	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
7:40	11/16/22	S	1	CS 59	11							<u>X</u>		
7:45				CS 60	12									
7:50				CS 61	13									
7:55				CS 62	14									
8:00				CS 63	15									
8:05				CS 64	16									
8:10				CS 65	17									
8:15				CS 66	18									
8:20				CS 67	19									
8:25				CS 68	20									

Additional Instructions: Billing# 20948131

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

Sampled by: Scott H.

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>Alfonso Ardenas</u>	<u>11/17/22</u>	<u>1337</u>	<u>Michelle K. G.</u>	<u>11-17-22</u>	<u>1337</u>	Received on ice: <u>Y/N</u>
<u>Michelle K. G.</u>	<u>11-17-22</u>	<u>1620</u>	<u>Scott H.</u>	<u>11/18/22</u>	<u>16:30</u>	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>

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

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

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

Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

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

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Beetle Juice 19 Fed 3

Work Order: E211110

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/21/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/21/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

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

Tom Bynum,

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

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

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

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

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

Respectfully,

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

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

Alexa Michaels
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Rayny Hagan
Technical Representative
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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	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 12:55

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



Sample Data

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

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

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

CS109

E211110-01

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



Sample Data

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

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

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

CS110

E211110-02

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



Sample Data

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

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

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

CS111

E211110-03

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



Sample Data

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

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

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

CS112

E211110-04

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



Sample Data

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

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

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

CS113

E211110-05

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



Sample Data

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

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

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

CS114

E211110-06

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



Sample Data

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

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

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

CS115

E211110-07

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



Sample Data

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

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

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

CS116

E211110-08

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



Sample Data

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

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

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

CS117

E211110-09

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



Sample Data

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

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

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

CS118

E211110-10

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



Sample Data

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

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

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

CS119

E211110-11

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



Sample Data

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

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

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

CS120

E211110-12

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



Sample Data

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

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

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

CS121

E211110-13

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



Sample Data

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

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

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

CS122

E211110-14

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



Sample Data

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

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

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

CS123

E211110-15

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



Sample Data

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

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

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

CS124

E211110-16

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



QC Summary Data

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

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247106-BLK1)

Prepared: 11/18/22 Analyzed: 11/20/22

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

LCS (2247106-BS1)

Prepared: 11/18/22 Analyzed: 11/20/22

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

LCS Dup (2247106-BSD1)

Prepared: 11/18/22 Analyzed: 11/20/22

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



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

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

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



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247110-BLK1)					Prepared: 11/18/22 Analyzed: 11/20/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.1		50.0		104	50-200			

LCS (2247110-BS1)					Prepared: 11/18/22 Analyzed: 11/20/22				
Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			

Matrix Spike (2247110-MS1)					Source: E211110-06		Prepared: 11/18/22 Analyzed: 11/20/22		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	52.4		50.0		105	50-200			

Matrix Spike Dup (2247110-MSD1)					Source: E211110-06		Prepared: 11/18/22 Analyzed: 11/21/22		
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	0.988	20	
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			



QC Summary Data

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

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2247115-BLK1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	ND	20.0							
LCS (2247115-BS1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2247115-MS1)					Source: E211110-01		Prepared: 11/18/22 Analyzed: 11/19/22		
Chloride	267	20.0	250	ND	107	80-120			
Matrix Spike Dup (2247115-MSD1)					Source: E211110-01		Prepared: 11/18/22 Analyzed: 11/19/22		
Chloride	265	20.0	250	ND	106	80-120	0.601	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

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

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

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

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

Released to: Imaging: 09/20/2025 4:37:01 PM

Client: <u>Dima Environmental</u>	Bill To	Lab Use Only	TAT				EPA Program							
Project: <u>Beetle Juice 19 Feb 3</u>	Attention:	Lab WO# <u>E211110</u>	Job Number <u>01058-0001</u>	1D	2D	3D	Standard	CWA	SDWA					
Project Manager: <u>Tom Bynum</u>	Address:	Analysis and Method							RCRA					
Address: <u>5614 N. Lovington Hwy</u>	City, State, Zip	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	State				
City, State, Zip: <u>Hobbs, NM 88240</u>	Phone:									NM	CO	UT	AZ	TX
Phone: <u>580-748-1615</u>	Email:									Remarks				
Email: <u>tom@pimaoil.com</u>	Report due by:													
<u>PN 1-147</u>														

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
11:50	11/16/22	S	1	CS109	1							X		
11:55				CS110	2									
12:00				CS111	3									
12:05				CS112	4									
12:10				CS113	5									
12:15				CS114	6									
12:20				CS115	7									
12:25				CS116	8									
12:30				CS117	9									
12:35				CS118	10									

Additional Instructions: Billing# 20948131

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.				Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.			
Relinquished by: (Signature) <u>Alfandra P.</u>		Date <u>11/17/22</u>	Time <u>1337</u>	Received by: (Signature) <u>Michelle Gonzales</u>		Date <u>11-17-22</u>	Time <u>1337</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>		Date <u>11-17-22</u>	Time <u>1620</u>	Received by: (Signature) <u>Carla Chat</u>		Date <u>11/18/22</u>	Time <u>10:30</u>
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.							

Received by: OCD: 5/20/2025 4:19:12 PM

Page 227 of 422

Lab Use Only						TAT				EPA Program			
Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA		
E21110		01057-0007				X							
Analysis and Method										RCRA			
O by 8015	O by 8015	8021	3260	3010	300.0	NM	TX-TPH			State			
									NM	CO	UT	AZ	TX
									X				

Additional Instructions: Billing # 20948131						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.					Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.	
Sampled by: Scott H.						
Relinquished by: (Signature) Abdandra J.	Date 11/17/22	Time 1337	Received by: (Signature) Michelle Gyp	Date 11-17-22	Time 1337	Lab Use Only
Relinquished by: (Signature) Michelle R. Gyp	Date 11-17-22	Time 1620	Received by: (Signature) Scott H.	Date 11/18/22	Time 10:30	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____
					AVG Temp °C 4	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____					Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.						

Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:30	Work Order ID:	E211110
Phone:	(575) 631-6977	Date Logged In:	11/17/22 15:14	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Beetle Juice 19 Fed 3

Work Order: E211103

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/21/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/21/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Beetle Juice 19 Fed 3
Workorder: E211103
Date Received: 11/18/2022 6:30:00AM

Tom Bynum,

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

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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ljjarboe@envirotech-inc.com

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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	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 12:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW1	E211103-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW2	E211103-02A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW3	E211103-03A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW4	E211103-04A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW5	E211103-05A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW6	E211103-06A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW7	E211103-07A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW8	E211103-08A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW9	E211103-09A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW10	E211103-10A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW11	E211103-11A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW12	E211103-12A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW13	E211103-13A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW14	E211103-14A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW15	E211103-15A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW16	E211103-16A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW17	E211103-17A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW18	E211103-18A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW19	E211103-19A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CSW20	E211103-20A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW1

E211103-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW2

E211103-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW3

E211103-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW4

E211103-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.6 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
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	97.6 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
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	99.3 %	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	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW5

E211103-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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 - 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	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		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	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW6

E211103-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW7

E211103-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	99.3 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	103 %	70-130		11/17/22	11/18/22	
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	106	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW8

E211103-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW9

E211103-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	95.8 %	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		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		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	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW10

E211103-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.7 %	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		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	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW11

E211103-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	96.8 %	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		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		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	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW12

E211103-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW13

E211103-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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		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		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	11/17/22	11/18/22	
Surrogate: Toluene-d8		99.6 %	70-130	11/17/22	11/18/22	
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	113	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW14

E211103-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	96.7 %	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		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		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	22.4	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW15

E211103-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW16

E211103-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
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	84.3 %	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	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW17

E211103-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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		Analyst: IY		Batch: 2247077
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.7 %	70-130		11/17/22	11/18/22	
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	82.3 %	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	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW18

E211103-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW19

E211103-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.6 %	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		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		Analyst: KL		Batch: 2247094
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

Reported:
11/21/2022 12:28:39PM

CSW20

E211103-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:28:39PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247077-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

LCS (2247077-BS1)

Prepared: 11/17/22 Analyzed: 11/21/22

Benzene	2.31	0.0250	2.50		92.6	70-130			
Ethylbenzene	2.38	0.0250	2.50		95.1	70-130			
Toluene	2.32	0.0250	2.50		92.9	70-130			
o-Xylene	2.26	0.0250	2.50		90.2	70-130			
p,m-Xylene	4.49	0.0500	5.00		89.7	70-130			
Total Xylenes	6.74	0.0250	7.50		89.9	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS Dup (2247077-BSD1)

Prepared: 11/17/22 Analyzed: 11/21/22

Benzene	2.34	0.0250	2.50		93.4	70-130	0.903	23	
Ethylbenzene	2.42	0.0250	2.50		96.8	70-130	1.86	27	
Toluene	2.38	0.0250	2.50		95.2	70-130	2.40	24	
o-Xylene	2.29	0.0250	2.50		91.5	70-130	1.45	27	
p,m-Xylene	4.56	0.0500	5.00		91.1	70-130	1.50	27	
Total Xylenes	6.84	0.0250	7.50		91.2	70-130	1.49	27	
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:28:39PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247077-BLK1)

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

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

LCS (2247077-BS2)

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

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

LCS Dup (2247077-BSD2)

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

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0		99.7	70-130	5.19	20	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:28:39PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247075-BLK1)					Prepared: 11/17/22 Analyzed: 11/18/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.2		50.0		86.3	50-200			

LCS (2247075-BS1)					Prepared: 11/17/22 Analyzed: 11/18/22				
Diesel Range Organics (C10-C28)	216	25.0	250		86.3	38-132			
Surrogate: n-Nonane	42.5		50.0		85.1	50-200			

Matrix Spike (2247075-MS1)					Source: E211103-18		Prepared: 11/17/22 Analyzed: 11/18/22		
Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.7	38-132			
Surrogate: n-Nonane	41.8		50.0		83.5	50-200			

Matrix Spike Dup (2247075-MSD1)					Source: E211103-18		Prepared: 11/17/22 Analyzed: 11/18/22		
Diesel Range Organics (C10-C28)	208	25.0	250	ND	83.0	38-132	5.48	20	
Surrogate: n-Nonane	42.4		50.0		84.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:28:39PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247094-BLK1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	ND	20.0							
LCS (2247094-BS1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	246	20.0	250		98.3	90-110			
LCS Dup (2247094-BSD1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	250	20.0	250		100	90-110	1.86	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 12:28

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

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

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

Released to Imaging: 6/9/2025 4:37:01 PM

Received by OCD: 5/20/2025 4:19:12 PM

Client: <u>Pima Environmental</u>	Bill To	Lab Use Only		TAT			EPA Program		
Project: <u>Beele Juice 19 Feb 3</u>	Attention: <u>Devon</u>	Lab WO# <u>E211103</u>	Job Number <u>01058-0007</u>	1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>TOM BYNUM</u>	Address:	Analysis and Method						RCRA	
Address: <u>5614 N Lovington Hwy</u>	City, State, Zip								
City, State, Zip: <u>Hobbs, NM, 88240</u>	Phone:	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8250	Metals 6010	Chloride 300.0	State	
Phone: <u>580-748-1613</u>	Email:							NM	CO
Email: <u>TOM@pimadil.COM</u>								UT	AZ
Report due by:	Project# <u>1-147</u>							TX	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8250	Metals 6010	Chloride 300.0	BDOC - NM	TCEQ 1005 TX-TPH	Remarks
12:00	11/16/22	S	1	CSW1	1							X		
12:05				CSW2	2									
12:10				CSW3	3									
12:15				CSW4	4									
12:20				CSW5	5									
12:25				CSW6	6									
12:30				CSW7	7									
12:35				CSW8	8									
12:40				CSW9	9									
12:45				CSW10	10									

Additional Instructions: <u>Billing# 20948131</u>					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.					
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature) <u>Wanda Sanders</u>	Date <u>11/17/22</u>	Time <u>1337</u>	Received by: (Signature) <u>Michelle Cyp</u>	Date <u>11-17-22</u>	Time <u>1337</u>
Relinquished by: (Signature) <u>Michelle Cyp</u>	Date <u>11-17-22</u>	Time <u>1620</u>	Received by: (Signature) <u>Carla Chat</u>	Date <u>11/18/22</u>	Time <u>4:30</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other			Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.					

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Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:30	Work Order ID:	E211103
Phone:	(575) 631-6977	Date Logged In:	11/17/22 14:54	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Beetle Juice 19 Fed 3

Work Order: E211106

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/21/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/21/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Beetle Juice 19 Fed 3
Workorder: E211106
Date Received: 11/18/2022 6:30:00AM

Tom Bynum,

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

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Rayny Hagan
Technical Representative
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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	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 15:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS29	E211106-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS30	E211106-02A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS31	E211106-03A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS32	E211106-04A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS33	E211106-05A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS34	E211106-06A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS35	E211106-07A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS36	E211106-08A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS37	E211106-09A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS38	E211106-10A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS39	E211106-11A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS40	E211106-12A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS41	E211106-13A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS42	E211106-14A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS43	E211106-15A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS44	E211106-16A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS45	E211106-17A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS46	E211106-18A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS47	E211106-19A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS48	E211106-20A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS29

E211106-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	
<i>Surrogate: Bromofluorobenzene</i>	98.3 %	70-130		11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.4 %	70-130		11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>	99.4 %	70-130		11/17/22	11/18/22	
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	
<i>Surrogate: Bromofluorobenzene</i>	98.3 %	70-130		11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.4 %	70-130		11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>	99.4 %	70-130		11/17/22	11/18/22	
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	
<i>Surrogate: n-Nonane</i>	102 %	50-200		11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2247099	
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS30

E211106-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.0 %	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		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		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		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS31

E211106-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS32

E211106-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.8 %	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		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
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	101 %	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	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS33

E211106-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS34

E211106-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS35

E211106-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.7 %	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		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
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	82.6 %	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	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS36

E211106-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS37

E211106-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	99.2 %	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		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		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	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS38

E211106-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS39

E211106-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS40

E211106-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	99.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/17/22	11/18/22	
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	99.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/17/22	11/18/22	
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	103 %	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	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS41

E211106-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.7 %	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		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		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	29.7	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS42

E211106-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS43

E211106-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS44

E211106-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	99.9 %	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		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		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		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS45

E211106-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.6 %	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		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		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	ND	20.0	1	11/18/22	11/18/22	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS46

E211106-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS47

E211106-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

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

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

Reported:
11/21/2022 3:07:55PM

CS48

E211106-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.3 %	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		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		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		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



QC Summary Data

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

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247080-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

LCS (2247080-BS1)

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

Benzene	2.70	0.0250	2.50		108	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.62	0.0250	2.50		105	70-130			
o-Xylene	2.73	0.0250	2.50		109	70-130			
p,m-Xylene	5.20	0.0500	5.00		104	70-130			
Total Xylenes	7.92	0.0250	7.50		106	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.4	70-130			

LCS Dup (2247080-BSD1)

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

Benzene	2.46	0.0250	2.50		98.4	70-130	9.17	23	
Ethylbenzene	2.40	0.0250	2.50		95.9	70-130	7.45	27	
Toluene	2.44	0.0250	2.50		97.5	70-130	7.06	24	
o-Xylene	2.52	0.0250	2.50		101	70-130	7.83	27	
p,m-Xylene	4.83	0.0500	5.00		96.6	70-130	7.38	27	
Total Xylenes	7.35	0.0250	7.50		98.0	70-130	7.54	27	
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247080-BLK1)

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

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

LCS (2247080-BS2)

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

Gasoline Range Organics (C6-C10)	41.1	20.0	50.0		82.1	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

LCS Dup (2247080-BSD2)

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

Gasoline Range Organics (C6-C10)	41.1	20.0	50.0		82.3	70-130	0.137	20	
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247084-BLK1)					Prepared: 11/17/22 Analyzed: 11/18/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.9		50.0		99.7	50-200			

LCS (2247084-BS1)					Prepared: 11/17/22 Analyzed: 11/18/22				
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			

Matrix Spike (2247084-MS1)					Source: E211106-12		Prepared: 11/17/22 Analyzed: 11/18/22		
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	50.8		50.0		102	50-200			

Matrix Spike Dup (2247084-MSD1)					Source: E211106-12		Prepared: 11/17/22 Analyzed: 11/18/22		
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	1.77	20	
Surrogate: n-Nonane	52.5		50.0		105	50-200			



QC Summary Data

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

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247099-BLK1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	ND	20.0							
LCS (2247099-BS1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	256	20.0	250		102	90-110			
LCS Dup (2247099-BSD1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	264	20.0	250		106	90-110	3.16	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 15:07

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

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

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 6/9/2025 4:37:01 PM

Client: <u>Pima Environmental</u> Project: <u>Beele Juice 19 Fed 3</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Irvington Hwy</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ <u>Project# 1-147</u>					Lab Use Only Lab WO# <u>E21106</u> Job Number <u>01058-0007</u> Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEx by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC - NM TCEQ 1005 TX-TPH					TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA State NM CO UT AZ TX <u>X</u>	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number														Remarks	
5:00	11/16/22	S	1	CS 29	1															
5:05				CS 30	2															
5:10				CS 31	3															
5:15				CS 32	4															
5:20				CS 33	5															
5:25				CS 34	6															
5:30				CS 35	7															
5:35				CS 36	8															
5:40				CS 37	9															
5:45				CS 38	10															
Additional Instructions: <u>Billing# 20948131</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Scott H.</u>										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature) <u>W. Anderson</u> Date <u>11/17/22</u> Time <u>1:33</u>					Received by: (Signature) <u>Michelle</u> Date <u>11-17-22</u> Time <u>1:37</u>					Lab Use Only Received on ice: <u>(Y)</u> N										
Relinquished by: (Signature) <u>Michelle</u> Date <u>11-17-22</u> Time <u>16:20</u>					Received by: (Signature) <u>Scott H.</u> Date <u>11/18/22</u> Time <u>6:30</u>					T1 T2 T3										
Relinquished by: (Signature) _____ Date _____ Time _____					Received by: (Signature) _____ Date _____ Time _____					AVG Temp °C <u>4</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Received by OCD: 5/20/2025 4:19:12 PM

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Released to Imaging: 6/9/2025 4:37:01 PM

Received by OCD: 5/20/2025 4:19:12 PM

Client: <u>Pima Environmental</u> Project: <u>Beele Juice 19 Feb 3</u> Project Manager: <u>Tom Bvhlum</u> Address: <u>5614 N. Jovington Hwy</u> City, State, Zip: <u>Holms, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by:	Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____ <u>Project# 1-147</u>	Lab Use Only		TAT				EPA Program		
		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA	
		<u>E21104</u>	<u>01058-0007</u>	<u>X</u>						
		Analysis and Method						RCRA		
								State		
						NM	CO	UT	AZ	TX
						<u>X</u>				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
5:50	11/16/22	S	1	CS 39	11							X		
5:55				CS 40	12									
6:00				CS 41	13									
6:05				CS 42	14									
6:10				CS 43	15									
6:15				CS 44	16									
6:20				CS 45	17									
6:25				CS 46	18									
6:30				CS 47	19									
6:35				CS 48	20									

Additional Instructions: Billing# 20948131

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature) <u>Abdalla Landers</u>			Date <u>11/17/22</u> Time <u>1337</u>			Received by: (Signature) <u>Michelle K. G...</u>			Date <u>11-17-22</u> Time <u>1337</u>			Lab Use Only		
Relinquished by: (Signature) <u>Michael G...</u>			Date <u>11-17-22</u> Time <u>1620</u>			Received by: (Signature) <u>Carla Chat</u>			Date <u>11/18/22</u> Time <u>6:30</u>			Received on ice: <u>N</u>		
Relinquished by: (Signature)			Date			Received by: (Signature)			Date			T1 T2 T3		
						AVG Temp °C <u>4</u>								

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



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Envirotech Analytical Laboratory

Printed: 11/18/2022 10:53:29AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:30	Work Order ID:	E211106
Phone:	(575) 631-6977	Date Logged In:	11/17/22 15:06	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Project Beetle Juice 19 Fed 3 has been separated into 8 reports.
E211103/E211104/E211105/E211106/E211107/E211108/E211109/E211110. COC received with white out on time sampled by client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Beetle Juice 19 Fed 3

Work Order: E211106

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/21/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/21/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Beetle Juice 19 Fed 3
Workorder: E211106
Date Received: 11/18/2022 6:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2022 6:30:00AM, under the Project Name: Beetle Juice 19 Fed 3.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 15:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS29	E211106-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS30	E211106-02A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS31	E211106-03A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS32	E211106-04A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS33	E211106-05A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS34	E211106-06A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS35	E211106-07A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS36	E211106-08A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS37	E211106-09A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS38	E211106-10A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS39	E211106-11A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS40	E211106-12A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS41	E211106-13A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS42	E211106-14A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS43	E211106-15A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS44	E211106-16A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS45	E211106-17A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS46	E211106-18A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS47	E211106-19A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS48	E211106-20A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS29

E211106-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	
<i>Surrogate: Bromofluorobenzene</i>	98.3 %	70-130		11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.4 %	70-130		11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>	99.4 %	70-130		11/17/22	11/18/22	
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	
<i>Surrogate: Bromofluorobenzene</i>	98.3 %	70-130		11/17/22	11/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.4 %	70-130		11/17/22	11/18/22	
<i>Surrogate: Toluene-d8</i>	99.4 %	70-130		11/17/22	11/18/22	
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	
<i>Surrogate: n-Nonane</i>	102 %	50-200		11/17/22	11/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2247099	
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS30

E211106-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.0 %	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		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		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		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS31

E211106-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS32

E211106-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.8 %	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		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	102 %	70-130		11/17/22	11/18/22	
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	101 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS33

E211106-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS34

E211106-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS35

E211106-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.7 %	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		Analyst: IY		Batch: 2247080
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/17/22	11/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	101 %	70-130		11/17/22	11/18/22	
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	82.6 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS36

E211106-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS37

E211106-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	99.2 %	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		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		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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS38

E211106-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS39

E211106-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS40

E211106-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	99.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/17/22	11/18/22	
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	99.1 %	70-130		11/17/22	11/18/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		11/17/22	11/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		11/17/22	11/18/22	
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	103 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS41

E211106-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.7 %	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		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		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	29.7	20.0	1	11/18/22	11/18/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS42

E211106-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS43

E211106-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS44

E211106-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	99.9 %	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		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		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		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS45

E211106-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.6 %	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		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		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	ND	20.0	1	11/18/22	11/18/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS46

E211106-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS47

E211106-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 3:07:55PM

CS48

E211106-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.3 %	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		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		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		Analyst: KL		Batch: 2247099
Chloride	ND	20.0	1	11/18/22	11/18/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported: 11/21/2022 3:07:55PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247080-BLK1)

Prepared: 11/17/22 Analyzed: 11/18/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

LCS (2247080-BS1)

Prepared: 11/17/22 Analyzed: 11/18/22

Benzene	2.70	0.0250	2.50		108	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.62	0.0250	2.50		105	70-130			
o-Xylene	2.73	0.0250	2.50		109	70-130			
p,m-Xylene	5.20	0.0500	5.00		104	70-130			
Total Xylenes	7.92	0.0250	7.50		106	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.4	70-130			

LCS Dup (2247080-BSD1)

Prepared: 11/17/22 Analyzed: 11/18/22

Benzene	2.46	0.0250	2.50		98.4	70-130	9.17	23	
Ethylbenzene	2.40	0.0250	2.50		95.9	70-130	7.45	27	
Toluene	2.44	0.0250	2.50		97.5	70-130	7.06	24	
o-Xylene	2.52	0.0250	2.50		101	70-130	7.83	27	
p,m-Xylene	4.83	0.0500	5.00		96.6	70-130	7.38	27	
Total Xylenes	7.35	0.0250	7.50		98.0	70-130	7.54	27	
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247080-BLK1)

Prepared: 11/17/22 Analyzed: 11/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

LCS (2247080-BS2)

Prepared: 11/17/22 Analyzed: 11/18/22

Gasoline Range Organics (C6-C10)	41.1	20.0	50.0		82.1	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

LCS Dup (2247080-BSD2)

Prepared: 11/17/22 Analyzed: 11/18/22

Gasoline Range Organics (C6-C10)	41.1	20.0	50.0		82.3	70-130	0.137	20	
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247084-BLK1)

Prepared: 11/17/22 Analyzed: 11/18/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.9		50.0		99.7	50-200			

LCS (2247084-BS1)

Prepared: 11/17/22 Analyzed: 11/18/22

Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: <i>n</i> -Nonane	52.2		50.0		104	50-200			

Matrix Spike (2247084-MS1)

Source: E211106-12

Prepared: 11/17/22 Analyzed: 11/18/22

Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132			
Surrogate: <i>n</i> -Nonane	50.8		50.0		102	50-200			

Matrix Spike Dup (2247084-MSD1)

Source: E211106-12

Prepared: 11/17/22 Analyzed: 11/18/22

Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	1.77	20	
Surrogate: <i>n</i> -Nonane	52.5		50.0		105	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 3:07:55PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247099-BLK1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	ND	20.0							
LCS (2247099-BS1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	256	20.0	250		102	90-110			
LCS Dup (2247099-BSD1)					Prepared: 11/18/22 Analyzed: 11/18/22				
Chloride	264	20.0	250		106	90-110	3.16	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 15:07

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client: <u>Pima Environmental</u> Project: <u>Beele Juice 19 Fed 3</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Irvington Hwy</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by:	Bill To	Lab Use Only	TAT				EPA Program			
	Attention:	Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA	
	Address:	<u>E21106</u>	<u>01058-0007</u>	<u>X</u>						
	City, State, Zip	Analysis and Method							RCRA	
	Phone:	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	State
Email:									NM CO UT AZ TX	
Project# <u>1-147</u>										

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
5:00	11/16/22	S	1	CS 29	1							X		
5:05				CS 30	2									
5:10				CS 31	3									
5:15				CS 32	4									
5:20				CS 33	5									
5:25				CS 34	6									
5:30				CS 35	7									
5:35				CS 36	8									
5:40				CS 37	9									
5:45				CS 38	10									

Additional Instructions:

Billing# 20948131

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Scott H.

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Alfando Alfando</u>	Date <u>11/17/22</u>	Time <u>1:337</u>	Received by: (Signature) <u>Michael</u>	Date <u>11-17-22</u>	Time <u>1:337</u>	Lab Use Only
Relinquished by: (Signature) <u>Michael</u>	Date <u>11-17-22</u>	Time <u>1620</u>	Received by: (Signature) <u>Carla</u>	Date <u>11/18/22</u>	Time <u>6:30</u>	Received on ice: <u>(Y) N</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3
AVG Temp °C <u>4</u>						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Released to Imaging: 6/9/2025 4:37:01 PM

Received by OCD: 5/20/2025 4:19:12 PM

Client: <u>Pima Environmental</u>		Bill To		Lab Use Only		TAT		EPA Program													
Project: <u>Beele Juice 19 Feb 3</u>		Attention:		Lab WO# <u>E211104</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA								
Project Manager: <u>Tom Bvhlum</u>		Address:		Analysis and Method				<input checked="" type="checkbox"/>													
Address: <u>5614 N. Irvington Hwy</u>		City, State, Zip		DRO/ORO by 8015		GRO/DRO by 8015		BTX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC - NM		TCEQ 1005 TX-TPH		State	
City, State, Zip: <u>Holms, NM, 88240</u>		Phone:																		NM CO UT AZ TX	
Phone: <u>580-748-1613</u>		Email:		Project# <u>1-147</u>																Remarks	
Email: <u>tom@pimaoil.com</u>		Report due by:																			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
5:50	11/16/22	S	1	CS 39	11							X		
5:55				CS 40	12									
6:00				CS 41	13									
6:05				CS 42	14									
6:10				CS 43	15									
6:15				CS 44	16									
6:20				CS 45	17									
6:25				CS 46	18									
6:30				CS 47	19									
6:35				CS 48	20									

Additional Instructions: Billing# 20948131

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Scott H.

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Abdalla Landers</u>	Date <u>11/17/22</u>	Time <u>1337</u>	Received by: (Signature) <u>Michelle K. G.</u>	Date <u>11-17-22</u>	Time <u>1337</u>	Lab Use Only
Relinquished by: (Signature) <u>Michael G.</u>	Date <u>11-17-22</u>	Time <u>1620</u>	Received by: (Signature) <u>Carla Chat</u>	Date <u>11/18/22</u>	Time <u>6:30</u>	Received on ice: <input checked="" type="checkbox"/> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3
AVG Temp °C <u>4</u>						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Page 327 of 422

Envirotech Analytical Laboratory

Printed: 11/18/2022 10:53:29AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:30	Work Order ID:	E211106
Phone:	(575) 631-6977	Date Logged In:	11/17/22 15:06	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Project Beetle Juice 19 Fed 3 has been separated into 8 reports.
E211103/E211104/E211105/E211106/E211107/E211108/E211109/E211110. COC received with white out on time sampled by client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Beetle Juice 19 Fed 3

Work Order: E211108

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/21/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/21/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Beetle Juice 19 Fed 3
Workorder: E211108
Date Received: 11/18/2022 6:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2022 6:30:00AM, under the Project Name: Beetle Juice 19 Fed 3.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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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	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 12:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS69	E211108-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS70	E211108-02A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS71	E211108-03A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS72	E211108-04A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS73	E211108-05A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS74	E211108-06A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS75	E211108-07A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS76	E211108-08A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS77	E211108-09A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS78	E211108-10A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS79	E211108-11A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS80	E211108-12A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS81	E211108-13A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS82	E211108-14A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS83	E211108-15A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS84	E211108-16A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS85	E211108-17A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS86	E211108-18A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS87	E211108-19A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS88	E211108-20A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS69

E211108-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.5 %	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		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		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	
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS70

E211108-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.0 %	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		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		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		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS71

E211108-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS72

E211108-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	96.8 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
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	96.8 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	100 %	70-130		11/18/22	11/19/22	
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	85.1 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS73

E211108-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.4 %	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		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		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		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS74

E211108-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.6 %	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		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		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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS75

E211108-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.5 %	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		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		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		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS76

E211108-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
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	82.0 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS77

E211108-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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
Chloride	ND	20.0	1	11/18/22	11/19/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS78

E211108-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.6 %	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		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		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		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS79

E211108-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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		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: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/19/22	
Surrogate: n-Nonane	79.2 %	50-200		11/17/22	11/19/22	
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS80

E211108-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS81

E211108-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	96.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
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	96.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
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	80.6 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS82

E211108-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.5 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.6 %	70-130		11/18/22	11/19/22	
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	97.5 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.6 %	70-130		11/18/22	11/19/22	
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	81.7 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS83

E211108-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	95.2 %	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		Analyst: IY		Batch: 2247104
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	95.2 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.7 %	70-130		11/18/22	11/19/22	
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	82.8 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS84

E211108-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.4 %	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		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		Analyst: RAS		Batch: 2247086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/20/22	
Surrogate: n-Nonane	77.8 %	50-200		11/17/22	11/20/22	
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS85

E211108-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS86

E211108-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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	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	11/17/22	11/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/22	11/20/22	
Surrogate: n-Nonane	80.9 %	50-200		11/17/22	11/20/22	
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS87

E211108-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.0 %	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	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	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	Analyst: KL		Batch: 2247101	
Chloride	ND	20.0	1	11/18/22	11/19/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 12:18:45PM

CS88

E211108-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.0 %	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		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		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		Analyst: KL		Batch: 2247101
Chloride	ND	20.0	1	11/18/22	11/19/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:18:45PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247104-BLK1)

Prepared: 11/18/22 Analyzed: 11/18/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

LCS (2247104-BS1)

Prepared: 11/18/22 Analyzed: 11/19/22

Benzene	2.26	0.0250	2.50		90.3	70-130			
Ethylbenzene	2.21	0.0250	2.50		88.6	70-130			
Toluene	2.24	0.0250	2.50		89.6	70-130			
o-Xylene	2.34	0.0250	2.50		93.5	70-130			
p,m-Xylene	4.47	0.0500	5.00		89.3	70-130			
Total Xylenes	6.80	0.0250	7.50		90.7	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

LCS Dup (2247104-BSD1)

Prepared: 11/18/22 Analyzed: 11/19/22

Benzene	2.29	0.0250	2.50		91.6	70-130	1.50	23	
Ethylbenzene	2.30	0.0250	2.50		92.0	70-130	3.79	27	
Toluene	2.34	0.0250	2.50		93.7	70-130	4.50	24	
o-Xylene	2.44	0.0250	2.50		97.6	70-130	4.31	27	
p,m-Xylene	4.65	0.0500	5.00		93.1	70-130	4.08	27	
Total Xylenes	7.09	0.0250	7.50		94.6	70-130	4.16	27	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported: 11/21/2022 12:18:45PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247104-BLK1)

Prepared: 11/18/22 Analyzed: 11/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

LCS (2247104-BS2)

Prepared: 11/18/22 Analyzed: 11/19/22

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		94.9	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			

LCS Dup (2247104-BSD2)

Prepared: 11/18/22 Analyzed: 11/19/22

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0		99.8	70-130	5.03	20	
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.1	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:18:45PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247086-BLK1)					Prepared: 11/17/22 Analyzed: 11/19/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.0		50.0		79.9	50-200			

LCS (2247086-BS1)					Prepared: 11/17/22 Analyzed: 11/19/22				
Diesel Range Organics (C10-C28)	219	25.0	250		87.8	38-132			
Surrogate: n-Nonane	40.3		50.0		80.5	50-200			

Matrix Spike (2247086-MS1)					Source: E211108-15		Prepared: 11/17/22 Analyzed: 11/19/22		
Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.5	38-132			
Surrogate: n-Nonane	38.5		50.0		77.1	50-200			

Matrix Spike Dup (2247086-MSD1)					Source: E211108-15		Prepared: 11/17/22 Analyzed: 11/19/22		
Diesel Range Organics (C10-C28)	208	25.0	250	ND	83.2	38-132	6.07	20	
Surrogate: n-Nonane	38.4		50.0		76.8	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 12:18:45PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247101-BLK1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	ND	20.0							
LCS (2247101-BS1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	245	20.0	250		98.1	90-110			
LCS Dup (2247101-BSD1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	248	20.0	250		99.1	90-110	1.07	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 12:18

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Page 11 of 16Page 31 of 33

Released to: Imaging: 6/9/2025 4:37:01 PM

Client: Pima Environmental
Project: Beetle Suisse 19 Fed 3
Project Manager: Tom Bynum
Address: 51614 N. Livingston Hwy
City, State, Zip: Alhambra, NM, 88240
Phone: 580-748-1613
Email: tom@pimadil.com
Report due by:

Bill To
Attention: _____
Address: _____
City, State, Zip: _____
Phone: _____
Email: _____

Project # 1-147

Lab Use Only				TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
<u>E 211108</u>	<u>01058-0007</u>	<u>X</u>							
Analysis and Method									
DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH		
						<u>X</u>			
State									
NM	CO	UT	AZ	TX					
<u>X</u>									
Remarks									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
9:20	11/16/22	S	1	CS 79	11							X		
9:25				CS 80	12									
9:30				CS 81	13									
9:35				CS 82	14									
9:40				CS 83	15									
9:45				CS 84	16									
9:50				CS 85	17									
9:55				CS 86	18									
10:00				CS 87	19									
10:05				CS 88	20									

Additional Instructions: Billing # 20948/31

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Sampled by: <u>Scott H.</u>											
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only					
<u>Alexandra Sanders</u>	<u>11/17/22</u>	<u>1337</u>	<u>Michelle Kye</u>	<u>11-17-22</u>	<u>1337</u>	Received on ice: <u>(Y) N</u>					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3					
<u>Michelle Kye</u>	<u>11-17-22</u>	<u>1620</u>	<u>Carla Chat</u>	<u>11/18/22</u>	<u>16:30</u>						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>					

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Received by: OCD: 5/20/2025 4:19:12 PM

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Envirotech Analytical Laboratory

Printed: 11/18/2022 10:59:59AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:30	Work Order ID:	E211108
Phone:	(575) 631-6977	Date Logged In:	11/17/22 15:11	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Project Beetle Juice 19 Fed 3 has been separated into 8 reports.
E211103/E211104/E211105/E211106/E211107/E211108/E211109/E211110. COC received with white out on time sampled by client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Beetle Juice 19 Fed 3

Work Order: E211109

Job Number: 01058-0007

Received: 11/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/21/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/21/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Beetle Juice 19 Fed 3
Workorder: E211109
Date Received: 11/18/2022 6:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2022 6:30:00AM, under the Project Name: Beetle Juice 19 Fed 3.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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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	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 13:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS89	E211109-01A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS90	E211109-02A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS91	E211109-03A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS92	E211109-04A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS93	E211109-05A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS94	E211109-06A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS95	E211109-07A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS96	E211109-08A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS97	E211109-09A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS98	E211109-10A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS99	E211109-11A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS100	E211109-12A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS101	E211109-13A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS102	E211109-14A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS103	E211109-15A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS104	E211109-16A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS105	E211109-17A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS106	E211109-18A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS107	E211109-19A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.
CS108	E211109-20A	Soil	11/16/22	11/18/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS89

E211109-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	96.3 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
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	96.3 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
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	100 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS90

E211109-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS91

E211109-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	96.2 %	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		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		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		Analyst: KL		Batch: 2247102
Chloride	ND	20.0	1	11/18/22	11/19/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS92

E211109-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS93

E211109-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS94

E211109-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.3 %	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		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	103 %	70-130		11/18/22	11/19/22	
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS95

E211109-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.8 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.7 %	70-130		11/18/22	11/19/22	
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	98.8 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	99.7 %	70-130		11/18/22	11/19/22	
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS96

E211109-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	99.2 %	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		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	102 %	70-130		11/18/22	11/19/22	
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	105 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS97

E211109-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS98

E211109-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.1 %	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		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		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
Chloride	ND	20.0	1	11/18/22	11/19/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS99

E211109-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	97.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
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	97.0 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
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
Chloride	ND	20.0	1	11/18/22	11/19/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS100

E211109-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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	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	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS101

E211109-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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		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		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	
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS102

E211109-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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		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		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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS103

E211109-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.3 %	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		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS104

E211109-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	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		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	103 %	70-130		11/18/22	11/19/22	
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	105 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS105

E211109-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	98.1 %	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		Analyst: IY		Batch: 2247105
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/18/22	11/19/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		11/18/22	11/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		11/18/22	11/19/22	
Surrogate: Toluene-d8	101 %	70-130		11/18/22	11/19/22	
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	98.1 %	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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS106

E211109-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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
Chloride	ND	20.0	1	11/18/22	11/19/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS107

E211109-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/21/2022 1:53:07PM

CS108

E211109-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported: 11/21/2022 1:53:07PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247105-BLK1)

Prepared: 11/18/22 Analyzed: 11/19/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

LCS (2247105-BS1)

Prepared: 11/18/22 Analyzed: 11/19/22

Benzene	2.46	0.0250	2.50		98.2	70-130			
Ethylbenzene	2.45	0.0250	2.50		97.8	70-130			
Toluene	2.47	0.0250	2.50		98.9	70-130			
o-Xylene	2.58	0.0250	2.50		103	70-130			
p,m-Xylene	4.92	0.0500	5.00		98.5	70-130			
Total Xylenes	7.51	0.0250	7.50		100	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

LCS Dup (2247105-BSD1)

Prepared: 11/18/22 Analyzed: 11/19/22

Benzene	2.53	0.0250	2.50		101	70-130	2.97	23	
Ethylbenzene	2.47	0.0250	2.50		98.9	70-130	1.14	27	
Toluene	2.52	0.0250	2.50		101	70-130	2.00	24	
o-Xylene	2.58	0.0250	2.50		103	70-130	0.271	27	
p,m-Xylene	4.91	0.0500	5.00		98.2	70-130	0.295	27	
Total Xylenes	7.49	0.0250	7.50		99.8	70-130	0.287	27	
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 1:53:07PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247105-BLK1)

Prepared: 11/18/22 Analyzed: 11/19/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

LCS (2247105-BS2)

Prepared: 11/18/22 Analyzed: 11/19/22

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.5	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			

LCS Dup (2247105-BSD2)

Prepared: 11/18/22 Analyzed: 11/19/22

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130	9.18	20	
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 1:53:07PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247087-BLK1)					Prepared: 11/17/22 Analyzed: 11/20/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.2		50.0		100	50-200			

LCS (2247087-BS1)					Prepared: 11/17/22 Analyzed: 11/20/22				
Diesel Range Organics (C10-C28)	231	25.0	250		92.4	38-132			
Surrogate: n-Nonane	49.0		50.0		98.0	50-200			

Matrix Spike (2247087-MS1)					Source: E211109-01		Prepared: 11/17/22 Analyzed: 11/20/22		
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132			
Surrogate: n-Nonane	45.1		50.0		90.2	50-200			

Matrix Spike Dup (2247087-MSD1)					Source: E211109-01		Prepared: 11/17/22 Analyzed: 11/20/22		
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.4	38-132	0.903	20	
Surrogate: n-Nonane	47.2		50.0		94.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/2022 1:53:07PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2247102-BLK1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	ND	20.0							
LCS (2247102-BS1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	270	20.0	250		108	90-110			
LCS Dup (2247102-BSD1)					Prepared: 11/18/22 Analyzed: 11/19/22				
Chloride	270	20.0	250		108	90-110	0.0770	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/21/22 13:53

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client: <u>Pima Environmental</u> Project: <u>Beetle Juice 19 Feb 3</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Livingston Hwy</u> City, State, Zip: <u>Holbrook, NM 88240</u> Phone: <u>505-748-1613</u> Email: <u>Tom@pimaoil.com</u> Report due by: _____	Bill To Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ <u>PN# 1-147</u>	Lab Use Only		TAT				EPA Program			
		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
		<u>E211109</u>	<u>01058-0001</u>	<u>Y</u>							
		Analysis and Method							RCRA		
		State									
							NM	CO	UT	AZ	TX
							<u>Y</u>				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	TCEQ 1005 TX-TPH	Remarks
10:10	11/16/22	S	1	CS 89	1								X		
10:15				CS 90	2										
10:20				CS 91	3										
10:25				CS 92	4										
10:30				CS 93	5										
10:35				CS 94	6										
10:40				CS 95	7										
10:45				CS 96	8										
10:50				CS 97	9										
10:55				CS 98	10										

Additional Instructions: <u>Billing# 20948131</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Sampled by: <u>Scott H.</u>					
Relinquished by: (Signature) <u>Abdullah S.</u>		Date	Time	Received by: (Signature) <u>Michelle K. G.</u>		Date	Time	Lab Use Only		Received on ice: <u>N</u>	
Relinquished by: (Signature) <u>Michelle K. G.</u>		Date	Time	Received by: (Signature) <u>Michelle K. G.</u>		Date	Time	T1		T2	
Relinquished by: (Signature) _____		Date	Time	Received by: (Signature) _____		Date	Time	T3		AVG Temp °C <u>4</u>	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											



envirotech

Released to Imaging: 07/20/2025 4:37:01 PM

Client: <u>Pima Environmental</u>	Bill To	Lab Use Only		TAT			EPA Program		
Project: <u>Beetle Juice 19 Feb 3</u>	Attention:	Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>	Address:	<u>E 211109</u>	<u>01058-0007</u>	<input checked="" type="checkbox"/>					
Address: <u>5614 N. Livingston Hwy</u>	City, State, Zip	Analysis and Method							RCRA
City, State, Zip: <u>Hobbs, NM, 88240</u>	Phone:	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	State	
Phone: <u>580-748-1613</u>	Email:							NM	CO
Email: <u>tom@pimaoil.com</u>								<input checked="" type="checkbox"/>	UT
Report due by:	<u>PN: 1-147</u>							AZ	TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC - NM	TCEQ 1005 TX-TPH	Remarks
11:00	11/16/22	S	1	CS 99	11							x		
11:05				CS 100	12									
11:10				CS 101	13									
11:15				CS 102	14									
11:20				CS 103	15									
11:25				CS 104	16									
11:30				CS 105	17									
11:35				CS 106	18									
11:40				CS 107	19									
11:45				CS 108	20									

Additional Instructions: Billing# 20948131

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Scott H

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Andrea S</u>	Date <u>11/17/22</u>	Time <u>1337</u>	Received by: (Signature) <u>Michelle G</u>	Date <u>11-17-22</u>	Time <u>1337</u>	Lab Use Only
Relinquished by: (Signature) <u>Michelle G</u>	Date <u>11-17-22</u>	Time <u>1620</u>	Received by: (Signature) <u>Scott H</u>	Date <u>11/18/22</u>	Time <u>16:30</u>	Received on ice: <u>01 N</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3
AVG Temp °C <u>4</u>						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Received by OCD: 5/20/2025 4:19:12 PM

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Envirotech Analytical Laboratory

Printed: 11/18/2022 11:03:41AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	11/18/22 06:30	Work Order ID:	E211109
Phone:	(575) 631-6977	Date Logged In:	11/17/22 15:12	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	11/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Project Beetle Juice 19 Fed 3 has been separated into 8 reports.
E211103/E211104/E211105/E211106/E211107/E211108/E211109/E211110. COC received with white out on time sampled by client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Lynsey Coons



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Beetle Juice 19 Fed Battery 3

Work Order: E505097

Job Number: 01058-0007

Received: 5/8/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/14/25

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/14/25

Lynsey Coons
PO Box 247
Plains, TX 79355-0247



Project Name: Beetle Juice 19 Fed Battery 3
Workorder: E505097
Date Received: 5/8/2025 7:00:00AM

Lynsey Coons,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/8/2025 7:00:00AM, under the Project Name: Beetle Juice 19 Fed Battery 3.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed Battery 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed Battery 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	05/14/25 09:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BACKFILL 1	E505097-01A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BACKFILL 2	E505097-02A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BACKFILL 3	E505097-03A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BACKFILL 4	E505097-04A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BACKFILL 5	E505097-05A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BACKFILL 6	E505097-06A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BACKFILL 7	E505097-07A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.
BACKFILL 8	E505097-08A	Soil	05/06/25	05/08/25	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Beetle Juice 19 Fed Battery 3 Project Number: 01058-0007 Project Manager: Lynsey Coons	Reported: 5/14/2025 9:05:49AM
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BACKFILL 1

E505097-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2519110	
Benzene	ND	0.0250	1	05/08/25	05/11/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/11/25	
Toluene	ND	0.0250	1	05/08/25	05/11/25	
o-Xylene	ND	0.0250	1	05/08/25	05/11/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/11/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.7 %	70-130	05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2519110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		110 %	70-130	05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2519151	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/10/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2520026	
Chloride	ND	20.0	1	05/12/25	05/13/25	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed Battery 3
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
5/14/2025 9:05:49AM

BACKFILL 2

E505097-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519110
Benzene	ND	0.0250	1	05/08/25	05/11/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/11/25	
Toluene	ND	0.0250	1	05/08/25	05/11/25	
o-Xylene	ND	0.0250	1	05/08/25	05/11/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/11/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519110
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2519151
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/10/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2520026
Chloride	ND	20.0	1	05/12/25	05/13/25	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed Battery 3
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
5/14/2025 9:05:49AM

BACKFILL 3

E505097-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2519110	
Benzene	ND	0.0250	1	05/08/25	05/11/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/11/25	
Toluene	ND	0.0250	1	05/08/25	05/11/25	
o-Xylene	ND	0.0250	1	05/08/25	05/11/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/11/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2519110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2519151	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/10/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2520026	
Chloride	ND	20.0	1	05/12/25	05/13/25	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed Battery 3
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
5/14/2025 9:05:49AM

BACKFILL 4

E505097-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2519110	
Benzene	ND	0.0250	1	05/08/25	05/11/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/11/25	
Toluene	ND	0.0250	1	05/08/25	05/11/25	
o-Xylene	ND	0.0250	1	05/08/25	05/11/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/11/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.3 %	70-130		05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2519110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2519151	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/10/25	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2520026	
Chloride	ND	20.0	1	05/12/25	05/13/25	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed Battery 3
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
5/14/2025 9:05:49AM

BACKFILL 5

E505097-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519110
Benzene	ND	0.0250	1	05/08/25	05/11/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/11/25	
Toluene	ND	0.0250	1	05/08/25	05/11/25	
o-Xylene	ND	0.0250	1	05/08/25	05/11/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/11/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519110
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2519151
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/10/25	
<i>Surrogate: n-Nonane</i>						
		98.8 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2520026
Chloride	ND	20.0	1	05/12/25	05/13/25	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed Battery 3
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
5/14/2025 9:05:49AM

BACKFILL 6

E505097-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2519110	
Benzene	ND	0.0250	1	05/08/25	05/11/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/11/25	
Toluene	ND	0.0250	1	05/08/25	05/11/25	
o-Xylene	ND	0.0250	1	05/08/25	05/11/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/11/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2519110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2519151	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/10/25	
<i>Surrogate: n-Nonane</i>		99.4 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2520026	
Chloride	ND	20.0	1	05/12/25	05/13/25	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed Battery 3
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
5/14/2025 9:05:49AM

BACKFILL 7

E505097-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2519110	
Benzene	ND	0.0250	1	05/08/25	05/11/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/11/25	
Toluene	ND	0.0250	1	05/08/25	05/11/25	
o-Xylene	ND	0.0250	1	05/08/25	05/11/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/11/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2519110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2519151	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/10/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2520026	
Chloride	ND	20.0	1	05/12/25	05/13/25	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Beetle Juice 19 Fed Battery 3
Project Number: 01058-0007
Project Manager: Lynsey Coons

Reported:
5/14/2025 9:05:49AM

BACKFILL 8

E505097-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2519110	
Benzene	ND	0.0250	1	05/08/25	05/11/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/11/25	
Toluene	ND	0.0250	1	05/08/25	05/11/25	
o-Xylene	ND	0.0250	1	05/08/25	05/11/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/11/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2519110	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	05/08/25	05/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2519151	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/10/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	05/09/25	05/10/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2520026	
Chloride	ND	20.0	1	05/12/25	05/13/25	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed Battery 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	5/14/2025 9:05:49AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2519110-BLK1)

Prepared: 05/08/25 Analyzed: 05/11/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			

LCS (2519110-BS1)

Prepared: 05/08/25 Analyzed: 05/11/25

Benzene	4.41	0.0250	5.00		88.2	70-130			
Ethylbenzene	4.52	0.0250	5.00		90.5	70-130			
Toluene	4.47	0.0250	5.00		89.5	70-130			
o-Xylene	4.50	0.0250	5.00		89.9	70-130			
p,m-Xylene	9.17	0.0500	10.0		91.7	70-130			
Total Xylenes	13.7	0.0250	15.0		91.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3	70-130			

Matrix Spike (2519110-MS1)

Source: E505091-25

Prepared: 05/08/25 Analyzed: 05/12/25

Benzene	4.87	0.0250	5.00	ND	97.4	70-130			
Ethylbenzene	4.85	0.0250	5.00	ND	97.1	70-130			
Toluene	4.86	0.0250	5.00	ND	97.2	70-130			
o-Xylene	4.82	0.0250	5.00	ND	96.3	70-130			
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	70-130			
Total Xylenes	14.7	0.0250	15.0	ND	97.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			

Matrix Spike Dup (2519110-MSD1)

Source: E505091-25

Prepared: 05/08/25 Analyzed: 05/11/25

Benzene	5.13	0.0250	5.00	ND	103	70-130	5.22	27	
Ethylbenzene	5.26	0.0250	5.00	ND	105	70-130	7.95	26	
Toluene	5.21	0.0250	5.00	ND	104	70-130	6.88	20	
o-Xylene	5.24	0.0250	5.00	ND	105	70-130	8.36	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	7.66	23	
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130	7.89	26	
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed Battery 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	5/14/2025 9:05:49AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519110-BLK1) Prepared: 05/08/25 Analyzed: 05/11/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.58		8.00		107	70-130			

LCS (2519110-BS2) Prepared: 05/08/25 Analyzed: 05/11/25

Gasoline Range Organics (C6-C10)	56.4	20.0	50.0		113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.60		8.00		108	70-130			

Matrix Spike (2519110-MS2) Source: E505091-25 Prepared: 05/08/25 Analyzed: 05/11/25

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0	ND	99.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.29		8.00		104	70-130			

Matrix Spike Dup (2519110-MSD2) Source: E505091-25 Prepared: 05/08/25 Analyzed: 05/11/25

Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130	4.69	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.92		8.00		111	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed Battery 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	5/14/2025 9:05:49AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519151-BLK1)					Prepared: 05/09/25 Analyzed: 05/10/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.6		50.0		103	61-141			

LCS (2519151-BS1)					Prepared: 05/09/25 Analyzed: 05/10/25				
Diesel Range Organics (C10-C28)	270	25.0	250		108	66-144			
Surrogate: n-Nonane	52.1		50.0		104	61-141			

Matrix Spike (2519151-MS1)					Source: E505097-02		Prepared: 05/09/25 Analyzed: 05/10/25		
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	52.5		50.0		105	61-141			

Matrix Spike Dup (2519151-MSD1)					Source: E505097-02		Prepared: 05/09/25 Analyzed: 05/10/25		
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	56-156	0.0631	20	
Surrogate: n-Nonane	50.8		50.0		102	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Beetle Juice 19 Fed Battery 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	5/14/2025 9:05:49AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2520026-BLK1)					Prepared: 05/12/25 Analyzed: 05/12/25				
Chloride	ND	20.0							
LCS (2520026-BS1)					Prepared: 05/12/25 Analyzed: 05/12/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2520026-MS1)					Source: E505095-04		Prepared: 05/12/25 Analyzed: 05/13/25		
Chloride	257	20.0	250	ND	103	80-120			
Matrix Spike Dup (2520026-MSD1)					Source: E505095-04		Prepared: 05/12/25 Analyzed: 05/13/25		
Chloride	257	20.0	250	ND	103	80-120	0.0218	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 Battery 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Lynsey Coons	05/14/25 09:05

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- 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 Information				Invoice Information		Lab Use Only		TAT		State													
Client: Pima Environmental Services, LLC				Company: Devon		Lab WO#		1D 2D 3D Std		NM CO UT TX													
Project Name: Beetle Juice 19 Fed Battery 3				Address:		Job Number				x													
Project Manager: Lynsey Coons				City, State, Zip:		E 505097 01058-0007																	
Address: 5614 North Lovington Hwy				Phone:																			
City, State, Zip: Hobbs NM, 88260				Email:																			
Phone: 575-318-7532				Miscellaneous: Project# 1-147																			
Email: Lynsey@pimaoil.com																							
Sample Information										EPA Program													
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filtered	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	B6DOC - NM	B6DOC - TX	SDWA	CWA	RCRA	Compliance	Y or N	PWSID #	Sample Temp	Remarks
11:13	5/6/2025	S		BACKFILL 1		1									X							4.3	
11:18	5/6/2025	S		BACKFILL 2		2									X							4.9	
11:29	5/6/2025	S		BACKFILL 3		3									X							4.1	
11:33	5/6/2025	S		BACKFILL 4		4									X							1.8	
11:45	5/6/2025	S		BACKFILL 5		5									X							3.4	
11:57	5/6/2025	S		BACKFILL 6		6									X							4.4	
12:05	5/6/2025	S		BACKFILL 7		7									X							1.4	
12:12	5/6/2025	S		BACKFILL 8		8									X							2.0	
Additional Instructions: Billing- 20948131																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by:																							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.											
Andrew Franco		5/6/25		12:20		Karime Atame		5/6/25		12:30													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Karime Atame		5/7/25		12:50		Michelle Gonzales		5-7-25		10:59													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Michelle Gonzales		5-7-25		1530		Caitlynn		5-7-25		1530													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: Y N											
Caitlynn		5-7-25		2200		Caitlynn		5-8-25		0700													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							

Envirotech Analytical Laboratory

Printed: 5/8/2025 12:57:01PM

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:	05/08/25 07:00	Work Order ID:	E505097
Phone:	(575) 631-6977	Date Logged In:	05/07/25 16:11	Logged In By:	Caitlin Mars
Email:	lynsey@pimaoil.com	Due Date:	05/14/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

No of containers and sampled by not provided on COC.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 465450

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465450
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2220629483
Incident Name	NAPP2220629483 BEETLE JUICE 19 FED BATTERY 3 @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2129455914] BEETLEJUICE 19 3 BATTERY

Location of Release Source

Please answer all the questions in this group.

Site Name	BEETLE JUICE 19 FED BATTERY 3
Date Release Discovered	07/23/2022
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Lightning Tank (Any) Produced Water Released: 231 BBL Recovered: 220 BBL Lost: 11 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The operator arrived to find a water tank had been struck by lightning. No other tanks were impacted. The load line for the oil tanks was ripped from the tanks. Tanks are still holding fluid and are isolated. The operator immediately shut in all wells, turned of water and circulating pumps, shut and isolated service equipment. All valves were isolated. 231 bbls of produced water were released. Recovered volumes are 220 bbls. The spill was not isolated to containment and went offsite. Was initially reported as 97 bbls released in email to OCD.

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QUESTIONS, Page 2

Action 465450

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465450
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 05/20/2025
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QUESTIONS, Page 3

Action 465450

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465450
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	3520
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	11/07/2022
On what date will (or did) the final sampling or liner inspection occur	11/16/2022
On what date will (or was) the remediation complete(d)	11/16/2022
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	24800
What is the estimated volume (in cubic yards) that will be remediated	4592
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 465450

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465450
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 05/20/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 465450

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465450
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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Action 465450

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465450
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	465452
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/16/2022
What was the (estimated) number of samples that were to be gathered	125
What was the sampling surface area in square feet	24800

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	24800
What was the total volume (cubic yards) remediated	4592
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Remediation complete.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 05/20/2025
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Action 465450

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465450
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	24800
What was the total volume of replacement material (in cubic yards) for this site	4592
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseedling commence(d)	12/01/2040
Summarize any additional reclamation activities not included by answers (above)	Reclamation Complete
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseedling plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
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.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 05/20/2025

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QUESTIONS, Page 8

Action 465450

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465450
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 465450

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 465450
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The reclamation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	6/9/2025