

**Raybaw Operating, LLC.
2626 Cole Ave., Suite 300
Dallas, TX 75204
214-800-2301**

October 31, 2023

NMOCD District 1
1625 N French Dr.
Hobbs, NM, 88240

**RE: Site Assessment, Remediation, Reclamation, and Closure Report
Chimayo 16 State #003
API No. 30-015-38105
GPS: Latitude 32.1329002 Longitude -103.9933624
UL "F", Section 16, Township 25S, Range 29E,
Eddy County, NM
NMOCD Reference No. NAB1728637411**

Raybaw Operating, LLC (Raybaw) has contracted Pima Environmental Services, LLC (Pima) to perform a site assessment, remediation, reclamation, and prepare this closure report for a produced water release that happened at the Chimayo 16 State #003 (Chimayo). An initial C-141 was submitted on October 6, 2017. This incident was assigned Incident ID NAB1728637411, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

All site information, characterization, initial assessment, previous remediation activities, and the approved variance request/work plan documentation can be found in OCD Online: Permitting – Action Status, under the Application ID: 239627.

In April of 2021, Atkins Engineering installed a borehole for XTO Energy to 110' bgs, that is approximately 536 meters away from this spill site. Water bearing soil was not encountered during this event. The Newer Ground Water Survey, Well Record, and Log can be found in Appendix A.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Release Information

NAB1728637411: On October 2, 2017, there was a split in the pump discharge line resulting in the release. The pump was shut down to prevent any further release. The discharge line was repaired. 33 BBLs of produced water was released from the pump discharge line. A vacuum truck was dispatched and 30 BBLs of produced water were recovered. The release originated from the pump discharge line that is located on the well pad on the west side of the pump building. An area approximately 150 ft x 300 ft on the well pad was affected by the release. None of the released fluid left pad.

Remediation/Reclamation Activities

On September 12, 2023, Pima personnel mobilized technicians to the site to begin measuring, marking, and collecting samples from the surface of the excavation area. We collected 5-point composite samples from approximately every 100 cubic yards of soil. These samples were field tested only. The Field Sample Data Tables can be found in Figure 1.

On September 14, 2023, Pima returned to the site to begin excavating the top 2' of soil from the previously backfilled spill area. The area measured approximately 23,000 - 24,000 square feet and represented between 1,700 – 1,780 cubic yards of soil. This was done by

removing layers to each side of the pad area in increments of 1' at a time. Stockpiles of the excavated material were formed on the east, north, and west sides of the excavation. The base and sidewalls of the excavation were field screened for contaminants, along with the stockpiles. As previously mentioned, all field sample results can be found in Figure 1.

On September 15, 2023, Pima began excavating the next 1' of soil from the spill area. A field technician was on site to field screen the soil for contaminants as it was being excavated. This layer represented approximately 850 – 890 cubic yards of soil. We continued by removing the next 1' layer of soil which made the total depth of the excavation 4' bgs. This soil was also field tested as the excavation progressed and the total cubic yards represented were approximately 3,400 – 3,560.

On September 27, 2023, Pima notified the NMOCD that collection of confirmation samples would begin at this site. 5-point composite confirmation samples were collected first from the base of the excavation. Then 5-point composite confirmation samples were collected from the sidewalls of the excavation. Finally, 5-point composite confirmation samples were collected from each of the stockpiles on location. Following the approved variance request guidelines, each sample collected from the base and sidewalls of the excavation were representative of no more than 500 square feet of soil. Also following the approved variance request guidelines, each sample collected from the stockpiles was representative of no more than 100 cubic yards of soil. Each sample collected was packed into quart-size baggies then organized into a cooler with ice and transported to the Pima office where they were put into a deep-freezer. All samples were transferred into jars and delivered to Envirotech, Inc. in coolers that were packed with ice. All sample collection and field activities were completed by close of business on October 3, 2023. The official confirmation sample results are included in the Laboratory Data Tables and can be found in Figure 2. Corresponding Site/Sample Maps can be found in Figure 3. Complete Laboratory Reports can be found in Appendix D.

On October 25, 2023, after all lab sample reports have been received, contractors for Raybaw mobilized personnel and equipment to the site to begin backfilling activities. The excavation was backfilled, the site was packed and recontoured to match it as close as possible to its original, natural state and condition.

Periodic updates as the remediation/reclamation activities progressed were emailed by Pima to multiple contacts at the NMOCD and Raybaw. The current C-141 pages and all Email Correspondence can be found in Appendix B. Photographic Documentation can be found in Appendix C.

Closure Request

After careful review, the remediation and reclamation activities performed at this location have been sufficient in removing contaminants and restoring this area back to its natural state. Seed bed preparation and reseeding will be performed in the next optimal seeding season. Pima requests that this incident, NAB1728637411 be closed. Raybaw has complied with the applicable closure requirements.

For questions or additional information, please feel free to contact:
Raybaw Operating – Nancy Winn – 281-793-5452 or nwinn@sbcglobal.net.
Pima Environmental – Tom Bynum – 580-748-1613 or tom@pimaoil.com.

Attachments

Figures:

- 1- Field Sample Data Tables
- 2- Laboratory Data Tables
- 3- Corresponding Site/Sample Maps

Appendices:

- Appendix A – Newer Ground Water Survey, Well Record, and Log
- Appendix B – C-141 Form & Email Correspondence
- Appendix C – Photographic Documentation
- Appendix D – Laboratory Reports



Pima Environmental Services

Figures:

- 1 - Field Sample Data Tables
- 2 - Laboratory Data Tables
- 3 - Corresponding Site/Sample maps

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Raybaw Operating - Chimayo 16 State #3								
Date: 9/12/23		Field Screen Results (Titrations & PID Meter)						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total VOCs	CI mg/kg
A1	Surface	-	-	-	-	-	11	134
A2	Surface	-	-	-	-	-	0	283
A3	Surface	-	-	-	-	-	0	592
A4	Surface	-	-	-	-	-	0	425
A5	Surface	-	-	-	-	-	8	568
A6	Surface	-	-	-	-	-	0	355
A7	Surface	-	-	-	-	-	0	89
A8	Surface	-	-	-	-	-	0	ND
A9	Surface	-	-	-	-	-	0	178
A10	Surface	-	-	-	-	-	0	16
A11	Surface	-	-	-	-	-	5	16
A12	Surface	-	-	-	-	-	6	ND
A13	Surface	-	-	-	-	-	22	144
A14	Surface	-	-	-	-	-	8	384
A15	Surface	-	-	-	-	-	2	201
A16	Surface	-	-	-	-	-	0	107
A17	Surface	-	-	-	-	-	0	32
A18	Surface	-	-	-	-	-	4	ND
A19	Surface	-	-	-	-	-	0	71

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Raybaw Operating - Chimayo 16 State #3								
Date: 9/13/23		Field Screen Results (Titrations & PID Meter)						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total VOCs	CI mg/kg
A1	1'	-	-	-	-	-	0	51
A2	1'	-	-	-	-	-	0	289
A3	1'	-	-	-	-	-	0	ND
A4	1'	-	-	-	-	-	0	316
A5	1'	-	-	-	-	-	0	16
A6	1'	-	-	-	-	-	0	488
A7	1'	-	-	-	-	-	0	451
A8	1'	-	-	-	-	-	0	ND
A9	1'	-	-	-	-	-	9	ND
A10	1'	-	-	-	-	-	0	ND
A11	1'	-	-	-	-	-	0	ND
A12	1'	-	-	-	-	-	0	162
A13	1'	-	-	-	-	-	3	71
A14	1'	-	-	-	-	-	0	ND
A15	1'	-	-	-	-	-	0	ND
A16	1'	-	-	-	-	-	0	500
A17	1'	-	-	-	-	-	0	ND
A18	1'	-	-	-	-	-	0	16
A19	1'	-	-	-	-	-	0	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Raybaw Operating - Chimayo 16 State #3								
Date: 9/14/23		Field Screen Results (Titrations & PID Meter)						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total VOCs	CI mg/kg
A1	2'	-	-	-	-	-	0	ND
A2	2'	-	-	-	-	-	4	100
A3	2'	-	-	-	-	-	0	24
A4	2'	-	-	-	-	-	0	ND
A5	2'	-	-	-	-	-	0	46
A6	2'	-	-	-	-	-	0	18
A7	2'	-	-	-	-	-	0	90
A8	2'	-	-	-	-	-	0	32
A9	2'	-	-	-	-	-	0	32
A10	2'	-	-	-	-	-	0	ND
A11	2'	-	-	-	-	-	0	ND
A12	2'	-	-	-	-	-	0	71
A13	2'	-	-	-	-	-	0	ND
A14	2'	-	-	-	-	-	0	114
A15	2'	-	-	-	-	-	4	ND
A16	2'	-	-	-	-	-	0	32
A17	2'	-	-	-	-	-	0	66
A18	2'	-	-	-	-	-	0	ND
A19	2'	-	-	-	-	-	0	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Raybaw Operating - Chimayo 16 State #3								
Date: 9/15/23		Field Screen Results (Titrations & PID Meter)						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total VOCs	CI mg/kg
A1	3'	-	-	-	-	-	8	390
A2	3'	-	-	-	-	-	0	100
A3	3'	-	-	-	-	-	0	41
A4	3'	-	-	-	-	-	0	18
A5	3'	-	-	-	-	-	0	569
A6	3'	-	-	-	-	-	0	341
A7	3'	-	-	-	-	-	0	382
A8	3'	-	-	-	-	-	0	99
A9	3'	-	-	-	-	-	1	477
A10	3'	-	-	-	-	-	0	ND
A11	3'	-	-	-	-	-	0	92
A12	3'	-	-	-	-	-	0	171
A13	3'	-	-	-	-	-	0	425
A14	3'	-	-	-	-	-	2	425
A15	3'	-	-	-	-	-	2	ND
A16	3'	-	-	-	-	-	0	509
A17	3'	-	-	-	-	-	0	66
A18	3'	-	-	-	-	-	7	ND
A19	3'	-	-	-	-	-	0	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Raybaw Operating - Chimayo 16 State #3								
Date: 9/15/23		Field Screen Results (Titrations & PID Meter)						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total VOCs	CI mg/kg
A1	4'	-	-	-	-	-	0	603
A2	4'	-	-	-	-	-	0	16
A3	4'	-	-	-	-	-	0	72
A4	4'	-	-	-	-	-	0	ND
A5	4'	-	-	-	-	-	0	555
A6	4'	-	-	-	-	-	0	688
A7	4'	-	-	-	-	-	0	580
A8	4'	-	-	-	-	-	0	232
A9	4'	-	-	-	-	-	0	147
A10	4'	-	-	-	-	-	0	64
A11	4'	-	-	-	-	-	0	702
A12	4'	-	-	-	-	-	0	497
A13	4'	-	-	-	-	-	0	436
A14	4'	-	-	-	-	-	0	285
A15	4'	-	-	-	-	-	0	110
A16	4'	-	-	-	-	-	0	125
A17	4'	-	-	-	-	-	0	108
A18	4'	-	-	-	-	-	0	213
A19	4'	-	-	-	-	-	0	614

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Raybaw Operating - Chimayo 16 State #3								
Date: 9/29/23		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH	CI mg/kg
CS1	4'	ND	ND	ND	ND	ND	0	ND
CS2	4'	ND	ND	ND	ND	ND	0	ND
CS3	4'	ND	ND	ND	ND	ND	0	ND
CS4	4'	ND	ND	ND	ND	ND	0	ND
CS5	4'	ND	ND	ND	ND	ND	0	ND
CS6	4'	ND	ND	ND	ND	ND	0	ND
CS7	4'	ND	ND	ND	ND	ND	0	ND
CS8	4'	ND	ND	ND	ND	ND	0	ND
CS9	4'	ND	ND	ND	ND	ND	0	ND
CS10	4'	ND	ND	ND	ND	ND	0	ND
CS11	4'	ND	ND	ND	ND	ND	0	ND
CS12	4'	ND	ND	ND	ND	ND	0	ND
CS13	4'	ND	ND	ND	ND	ND	0	ND
CS14	4'	ND	ND	ND	ND	ND	0	ND
CS15	4'	ND	ND	ND	ND	ND	0	ND
CS16	4'	ND	ND	ND	ND	ND	0	ND
CS17	4'	ND	ND	ND	ND	ND	0	ND
CS18	4'	ND	ND	ND	ND	ND	0	ND
CS19	4'	ND	ND	ND	ND	ND	0	ND
CS20	4'	ND	ND	ND	ND	ND	0	ND
CS21	4'	ND	ND	ND	ND	ND	0	ND
CS22	4'	ND	ND	ND	ND	ND	0	ND
CS23	4'	ND	ND	ND	ND	ND	0	ND
CS24	4'	ND	ND	ND	ND	ND	0	ND
CS25	4'	ND	ND	ND	ND	ND	0	ND
CS26	4'	ND	ND	ND	ND	ND	0	ND
CS27	4'	ND	ND	ND	ND	ND	0	ND
CS28	4'	ND	ND	ND	ND	ND	0	ND
CS29	4'	ND	ND	ND	ND	ND	0	ND
CS30	4'	ND	ND	ND	ND	ND	0	ND
CS31	4'	ND	ND	ND	ND	ND	0	ND
CS32	4'	ND	ND	ND	ND	ND	0	ND
CS33	4'	ND	ND	ND	ND	ND	0	ND
CS34	4'	ND	ND	ND	ND	ND	0	ND
CS35	4'	ND	ND	ND	ND	ND	0	ND
CS36	4'	ND	ND	ND	ND	ND	0	ND
CS37	4'	ND	ND	ND	ND	ND	0	ND
CS38	4'	ND	ND	ND	ND	ND	0	ND
CS39	4'	ND	ND	ND	ND	ND	0	ND
CS40	4'	ND	ND	ND	ND	ND	0	ND
CS41	4'	ND	ND	ND	ND	ND	0	ND
CS42	4'	ND	ND	ND	ND	ND	0	ND

CS43	4'	ND	ND	ND	ND	ND	0	ND
CS44	4'	ND	ND	ND	ND	ND	0	ND
CS45	4'	ND	ND	ND	ND	ND	0	ND
CS46	4'	ND	ND	ND	ND	ND	0	ND
CS47	4'	ND	ND	ND	ND	ND	0	ND
CS48	4'	ND	ND	ND	ND	ND	0	ND
CS49	4'	ND	ND	ND	ND	ND	0	ND
CSW1	4'	ND	ND	ND	ND	ND	0	ND
CSW2	4'	ND	ND	ND	ND	ND	0	ND
CSW3	4'	ND	ND	ND	ND	ND	0	ND
CSW4	4'	ND	ND	ND	ND	ND	0	ND
CSW5	4'	ND	ND	ND	ND	ND	0	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Raybaw Operating - Chimayo 16 State #3 (East Stock Pile)								
Date: 10/2/23		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH	CI mg/kg
EST-1	1'	ND	ND	ND	ND	ND	0	53.2
EST-2	1'	ND	ND	ND	ND	ND	0	50.3
EST-3	1'	ND	ND	ND	ND	ND	0	59.4
EST-4	1'	ND	ND	ND	ND	ND	0	57.9
EST-5	1'	ND	ND	ND	ND	ND	0	58.8
EST-6	1'	ND	ND	ND	ND	ND	0	62.8
EST-7	1'	ND	ND	ND	ND	ND	0	53.5
EST-8	1'	ND	ND	ND	ND	ND	0	61.8
EST-9	1'	ND	ND	ND	ND	ND	0	57.1
EST-10	1'	ND	ND	ND	ND	ND	0	60.4
EST-11	1'	ND	ND	ND	ND	ND	0	21.7
EST-12	1'	ND	ND	ND	ND	ND	0	58.3
EST-13	1'	ND	ND	ND	ND	ND	0	34.1
EST-14	1'	ND	ND	ND	ND	ND	0	25.8
EST-15	1'	ND	ND	ND	ND	ND	0	58.7
EST-16	1'	ND	ND	ND	ND	ND	0	43.5

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Raybaw Operating - Chimayo 16 State #3 (West/North Stock Piles)								
Date: 10/3/23		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH	CI mg/kg
WST-1	1'	ND	ND	ND	ND	ND	0	57.9
WST-2	1'	ND	ND	ND	ND	ND	0	65.3
WST-3	1'	ND	ND	ND	ND	ND	0	30.7
WST-4	1'	ND	ND	ND	ND	ND	0	35.8
WST-5	1'	ND	ND	ND	ND	ND	0	20.3
WST-6	1'	ND	ND	ND	ND	ND	0	21.7
WST-7	1'	ND	ND	ND	ND	ND	0	39
WST-8	1'	ND	ND	ND	ND	ND	0	63.9
WST-9	1'	ND	ND	ND	ND	ND	0	57.3
WST-10	1'	ND	ND	ND	ND	ND	0	ND
WST-11	1'	ND	ND	ND	ND	ND	0	27.1
NST-1	1'	ND	ND	ND	ND	ND	0	53.3
NST-2	1'	ND	ND	ND	ND	ND	0	39.2
NST-3	1'	ND	ND	ND	ND	ND	0	40.4
NST-4	1'	ND	ND	ND	ND	ND	0	43.5
NST-5	1'	ND	ND	ND	ND	ND	0	63.7
NST-6	1'	ND	ND	ND	ND	ND	0	49.3
NST-7	1'	ND	ND	ND	ND	ND	0	36.8
NST-8	1'	ND	ND	ND	ND	ND	0	87.3

Chimayo 16 State 3

Raybaw Operating
API #30-015-38105
Eddy County, NM
Field Screen Sample Map

Legend

- 100 Cubic Yard Areas
- 5-Point Composite Samples



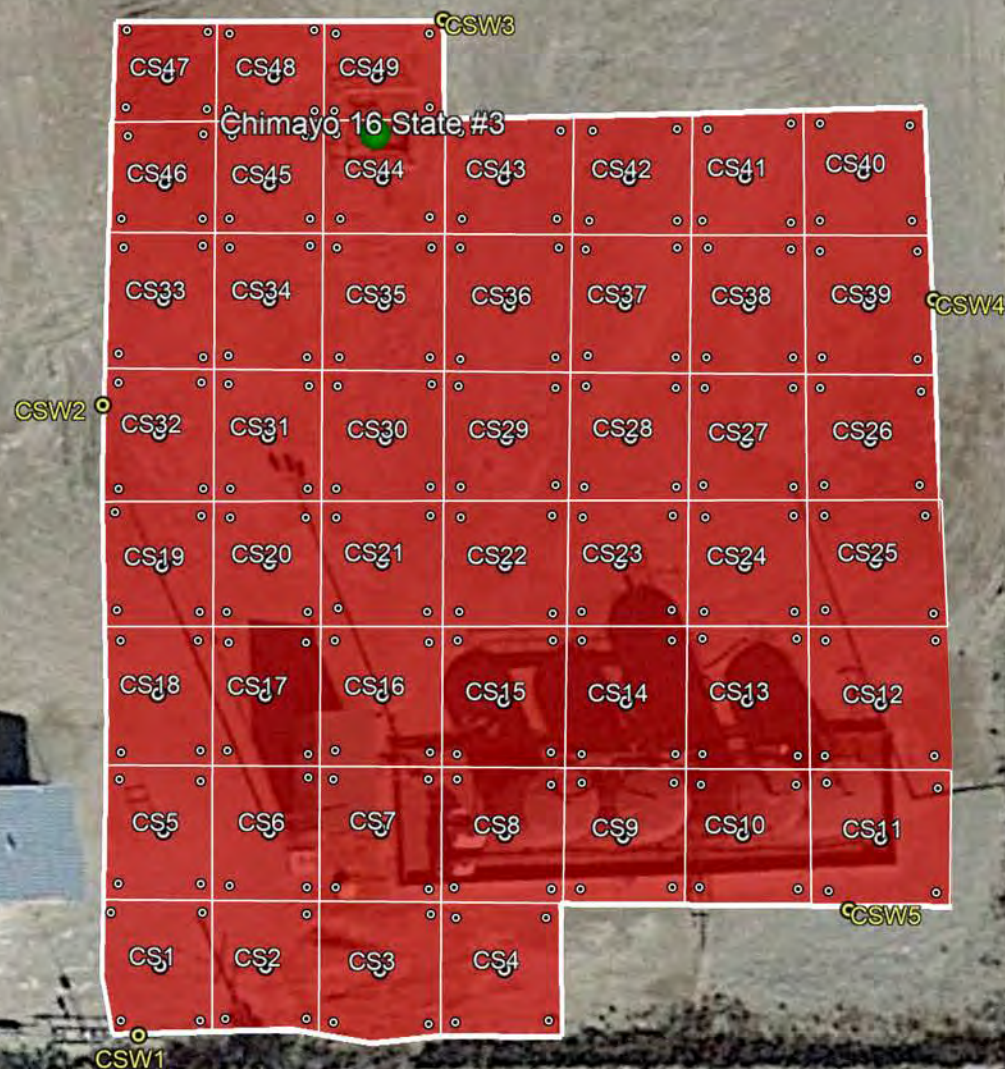
Google Earth



100 ft

Raybaw Operating
API #30-015-38105
Eddy County, NM
Confirmation Sample Map

- Composite Base Confirmation Samples
- Composite Sidewall Confirmation Samples
- Excavated Area



Google Earth

Chimayo 16 State 3

Raybaw Operating
API #30-015-38105
Eddy County, NM
East Stockpile Map

- Legend**
- Composite Samples
 - East Stockpile





Google Earth

Chimayo 16 State 3

Raybaw Operating
API #30-015-38105
Eddy County, NM
West Stockpile Map

Legend

 Composite Samples

 West Stockpile



Chimayo 16 State 3

Raybaw Operating
API #30-015-38105
Eddy County, NM
North Stockpile Map

Legend

- Composite Samples
- 📍 North Stockpile





Pima Environmental Services

Appendix A

New Ground Water Survey

Well Record & Log

Well Location Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_04503 POD1		CUB	ED	4	3	3	09	25S	29E	594884	3556142	536			
C_02518		C	ED		3	4	08	25S	29E	593895	3556300*	1261	462		
C_02371		C	ED		2	3	15	25S	29E	596741	3555106*	1859	200	60	140
C_02680		CUB	ED		2	3	15	25S	29E	596741	3555106*	1859	200		
C_04324 POD10		CUB	ED	1	1	1	09	25S	29E	594563	3557603	2030	65	60	5
C_04324 POD11		CUB	ED	1	1	1	09	25S	29E	594576	3557619	2043	61	61	0
C_04324 POD12		CUB	ED	2	2	2	08	25S	29E	594476	3557627	2071	65	60	5
C_04324 POD6		CUB	ED	1	1	1	09	25S	29E	594538	3557657	2088	62	61	1
C_04324 POD9		CUB	ED	1	1	1	09	25S	29E	594590	3557676	2097	72	62	10
C_04324 POD8		CUB	ED	4	4	4	05	25S	29E	594442	3557807	2254	69	65	4
C_04525 POD1		CUB	ED	3	1	2	10	25S	29E	596976	3557505	2773			

Average Depth to Water: **61 feet**

Minimum Depth: **60 feet**

Maximum Depth: **65 feet**

Record Count: 11

UTMNAD83 Radius Search (in meters):

Easting (X): 594950.96

Northing (Y): 3555610.61

Radius: 3000

*UTM location was derived from PLSS - see Help

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

2/1/23 10:43 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER


www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (BH-01)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4503			
	WELL OWNER NAME(S) XTO Energy (Kyle Littrell)				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.				CITY Midland	STATE TX	ZIP 79707	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 8	SECONDS 15.74 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SWSW S9 T25S R29E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 04/19/2021	DRILLING ENDED 04/19/2021	DEPTH OF COMPLETED WELL (FT) temporary well material		BORE HOLE DEPTH (FT) 110	DEPTH WATER FIRST ENCOUNTERED (FT) n/a		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	110	±6.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	C-4503	POD NO.	1	TRN NO.	682792
LOCATION	Expl	25S.29E.9.334		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	Caliche, tan, off-white, dry, tan sand m-f grained, well sorted, trace silt	Y ✓ N	
	4	41	37	Sand, tan, m-f, well sorted, little caliche gravel, tan, trace silt, low consolidation	Y ✓ N	
	41	--	--	Sandy clay, brown, non plastic, non cohesive, no odor, no stain, m-f grained, well	Y ✓ N	
	43	46	5	increase in clay content, low plasticity Claystone, brown, light brown mottling,	Y ✓ N	
	46	110	64	Claystone, brown, light brown mottling, cohesive, medium plasticity	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Corral Canyon 212H. Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: <div style="display: flex; justify-content: space-between;"> <div>  Jackie D. Atkins </div> <div>05/05/2021</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>SIGNATURE OF DRILLER / PRINT SIGNEE NAME</div> <div>DATE</div> </div>					

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. C-4503	POD NO. 1	TRN NO. 682792
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2



OSE POD Locations

Points of Diversion visible at 1:18,000 with 1,000 features per view

Water Rights Submit Meter Reading Drought Tracker Map Tutorial Contact Us

+

-



1:18055



All Rights Reserved

App State

Click to restore the map extent and layers visibility where you left off.



Pima Environmental Services

Appendix B

C-141 Form

48-Hour Notification

Email Correspondence

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAB1728637411
District RP	
Facility ID	
Application ID	

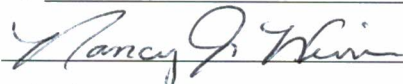
Closure

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

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

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

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

Printed Name: Nancy Winn Title: Geoscience Analyst
Signature:  Date: 11/7/2023
email: nwinn@sbcglobal.net Telephone: 281-793-5452

OCD Only

Received by: _____ Date: _____

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

Closure Approved by:  Date: 11/16/2023
Printed Name: Brittany Hall Title: Environmental Specialist

From: tom@pimaoil.com
To: "[Hall, Brittany, EMNRD](#)"; "[Enviro, OCD, EMNRD](#)"; "[Hamlet, Robert, EMNRD](#)"
Cc: "[Andrew Pima Oil](#)"; "[Audry Pima Oil](#)"; "[Bratcher, Michael, EMNRD](#)"; "[Gio PimaOil](#)"; "[Nancy Winn](#)"; "[Sebastian Pima Oil](#)"; "[Smith, Cory, EMNRD](#)"; "[TIM HOUGHTALING](#)"; "[Tom Campbell](#)"
Subject: RE: [EXTERNAL] Notification for Confirmation Sampling - NAB1532742191/NAB1728637411
Date: Thursday, September 28, 2023 5:31:42 PM

Brittany,

We had planned on starting with base samples, then sidewalls, then stockpiles. I am estimating we may be able to get bases and sidewalls completed in one day, depending on personnel, weather, etc. If multiple days are needed we may continue on Saturday, the 30th, or on Monday the 2nd.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.

5614 N Lovington Hwy.

Hobbs, NM, 88240

From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Sent: Thursday, September 28, 2023 12:08 PM
To: Tom Pima Oil <tom@pimaoil.com>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Andrew Pima Oil <andrew@pimaoil.com>; Audry Pima Oil <audry@pimaoil.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Gio PimaOil <gio@pimaoil.com>; Nancy Winn <nwinn@sbcglobal.net>; Sebastian Pima Oil <sebastian@pimaoil.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>; TIM HOUGHTALING <timh928@msn.com>; Tom Campbell <tom@oaknrg.com>
Subject: RE: [EXTERNAL] Notification for Confirmation Sampling - NAB1532742191/NAB1728637411

Tom,

Thank you for the notification.

Can you clarify what will be sampled tomorrow (i.e. the base of the excavation, walls of the excavation, stock piles, etc.) and how many samples Pima estimates will be collected?

Thank you,

Brittany Hall • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110

505.517.5333 | Brittany.Hall@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd/>

From: Tom Pima Oil <tom@pimaoil.com>

Sent: Wednesday, September 27, 2023 9:10 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Cc: Andrew Pima Oil <andrew@pimaoil.com>; Audry Pima Oil <audry@pimaoil.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Gio PimaOil <gio@pimaoil.com>; Nancy Winn <nwinn@sbcglobal.net>; Sebastian Pima Oil <sebastian@pimaoil.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>; TIM HOUGHTALING <timh928@msn.com>; Tom Campbell <tom@oaknrg.com>

Subject: [EXTERNAL] Notification for Confirmation Sampling - NAB1532742191/NAB1728637411

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning,

Pima Environmental would like to notify you that we will begin collecting confirmation samples at the Chimayo 16 State #3 for incidents NAB1532742191 & NAB1728637411. Pima personnel are scheduled to be on site for this sampling event by approximately 9:00 a.m. on Friday, September 29, 2023. If you have any questions or concerns, please let me know. Many thanks.

Tom Bynum

580-748-1613

575-964-7740 Office

Inline image

Pima Environmental Services, LLC.

From: tom@pimaoil.com
To: ["Hall, Brittany, EMNRD"](#); ["Hamlet, Robert, EMNRD"](#)
Cc: ["Gio PimaOil"](#); ["Tom Campbell"](#); ["TIM HOUGHTALING"](#); ["Smith, Cory, EMNRD"](#); ["Bratcher, Michael, EMNRD"](#)
Subject: Chimayo 16 State 3
Date: Tuesday, September 12, 2023 10:48:27 AM

Good morning,

We have confirmed availability for equipment, and the one-call will be clear tomorrow. The excavation at the Chimayo 16 State 3 will begin first thing Thursday morning, 8/14/23.

We'll have techs out there today and tomorrow to start flagging, measuring, and collecting surface samples for field testing. Many thanks!

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.

5614 N Lovington Hwy.

Hobbs, NM, 88240

From: tom@pimaoil.com
To: "[Hall, Brittany, EMNRD](#)"; "[Hamlet, Robert, EMNRD](#)"
Cc: "[Tom Campbell](#)"; "[Nancy Winn](#)"; "[Jeff Stevenson](#)"; "[Drew Clements](#)"; "[Gio PimaOil](#)"; sebastian@pimaoil.com;
"[Smith, Cory, EMNRD](#)"; "[Bratcher, Michael, EMNRD](#)"
Subject: RE: [EXTERNAL] Chimayo 16 State 3 Update for 9/12/23
Date: Monday, September 18, 2023 2:15:45 PM

Hi Brittany,

Correct, these are not confirmation samples. We are collecting samples for field testing as the project progresses. Yes, the excavation began on Thursday, September 14th. We will, of course, use clean soil from the site that does not show contamination levels. We haven't narrowed down where supplemental topsoil is coming from yet, everything nearby is very rocky.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.

**5614 N Lovington Hwy.
Hobbs, NM, 88240**

From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Sent: Monday, September 18, 2023 1:35 PM
To: tom@pimaoil.com; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: 'Tom Campbell' <tom@oaknrg.com>; 'Nancy Winn' <nwinn@sbcglobal.net>; 'Jeff Stevenson' <Jeff@oaknrg.com>; 'Drew Clements' <daclem@charter.net>; 'Gio PimaOil' <gio@pimaoil.com>; sebastian@pimaoil.com; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Chimayo 16 State 3 Update for 9/12/23

Tom,

Thank you for the update. What were the samples collected on 9/12/2023 used for? Assessment and delineation? I assume that these are not confirmation samples due to the 2-business day notification has not been submitted yet.

Also, has excavation began on site?

Could you also provide information on the topsoil/suitable material being used at the site to establish vegetation?

Thank you,

Brittany Hall • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed/>

From: tom@pimaoil.com <tom@pimaoil.com>
Sent: Monday, September 18, 2023 12:13 PM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: 'Tom Campbell' <tom@oaknrg.com>; 'Nancy Winn' <nwinn@sbcglobal.net>; 'Jeff Stevenson' <Jeff@oaknrg.com>; 'Drew Clements' <daclem@charter.net>; 'Gio PimaOil' <gio@pimaoil.com>; sebastian@pimaoil.com; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: [EXTERNAL] Chimayo 16 State 3 Update for 9/12/23

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

Attached is a photo log for our pre-excavation work at the Chimayo 16 State 3. We began collecting 5-point composite samples from the surface. Please holler anytime with questions.

I will be working on the updates for each day last week that work was performed and will have those sent to everyone as I get them completed. Thank you much!

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.
5614 N Lovington Hwy.
Hobbs, NM, 88240

From: tom@pimaoil.com
To: "[Hall, Brittany, EMNRD](#)"; "[Hamlet, Robert, EMNRD](#)"
Cc: "[Tom Campbell](#)"; "[Nancy Winn](#)"; "[Jeff Stevenson](#)"; "[Drew Clements](#)"; "[Gio PimaOil](#)"; sebastian@pimaoil.com;
"[Smith, Cory, EMNRD](#)"; "[Bratcher, Michael, EMNRD](#)"
Subject: RE: [EXTERNAL] Chimayo 16 State 3 Update for 9/13/23
Date: Tuesday, September 19, 2023 12:10:45 PM

Brittany,

By my calculation: 24,615 square feet x 2 feet deep / 27 = 1823.33 cubic yards / 100 cubic yards = 18.23 samples, which we rounded up to 19.

We have already confirmed the top 2' of soil is clean, are you implying that there could be discrepancies between in situ and ex situ samples collected from this soil? Would the Division prefer to have ex situ samples?

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.
5614 N Lovington Hwy.
Hobbs, NM, 88240

From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Sent: Tuesday, September 19, 2023 9:08 AM
To: tom@pimaoil.com; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: 'Tom Campbell' <tom@oaknrg.com>; 'Nancy Winn' <nwinn@sbcglobal.net>; 'Jeff Stevenson' <Jeff@oaknrg.com>; 'Drew Clements' <daclem@charter.net>; 'Gio PimaOil' <gio@pimaoil.com>; sebastian@pimaoil.com; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Chimayo 16 State 3 Update for 9/13/23

Tom,

Can you please explain how Pima is quantifying the 100 cubic yards if these samples were collected in situ?

Thank you,

Brittany Hall • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd/>

From: tom@pimaoil.com <tom@pimaoil.com>

Sent: Monday, September 18, 2023 4:14 PM

To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Cc: 'Tom Campbell' <tom@oaknrg.com>; 'Nancy Winn' <nwinn@sbcglobal.net>; 'Jeff Stevenson' <Jeff@oaknrg.com>; 'Drew Clements' <daclem@charter.net>; 'Gio PimaOil' <gio@pimaoil.com>; sebastian@pimaoil.com; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: [EXTERNAL] Chimayo 16 State 3 Update for 9/13/23

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

Attached is a photo log for our second day of pre-excavation work at the Chimayo 16 State 3. We collected samples this time from 1' bgs. Please note the samples from the top 2' of soil are from every 100 cubic yards as directed. I realize that collecting these samples is redundant, we have already collected samples from the top 2' of soil and received verification that they are clean, we are just trying to be as thorough as possible. Also, my tech is working on putting his field titration results together, I will forward that info when it arrives. Many thanks, please holler with any questions.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.

5614 N Lovington Hwy.

Hobbs, NM, 88240

From: tom@pimaoil.com
To: ["Hall, Brittany, EMNRD"](#); ["Hamlet, Robert, EMNRD"](#)
Cc: ["Tom Campbell"](#); ["Nancy Winn"](#); ["Jeff Stevenson"](#); ["Drew Clements"](#); ["Gio PimaOil"](#); sebastian@pimaoil.com; ["Smith, Cory, EMNRD"](#); ["Bratcher, Michael, EMNRD"](#)
Subject: Chimayo 16 State 3 Update for 9/14/23
Date: Tuesday, September 19, 2023 5:38:55 PM
Attachments: [Photo Log_9-14-23.pdf](#)

Good afternoon,

Attached is a photo log for our first day of excavation work at the Chimayo 16 State 3. We began moving the top 2' of soil. Many thanks, please holler with any questions.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.

5614 N Lovington Hwy.

Hobbs, NM, 88240

From: tom@pimaoil.com
To: ["Hall, Brittany, EMNRD"](#); ["Hamlet, Robert, EMNRD"](#)
Cc: ["Tom Campbell"](#); ["Nancy Winn"](#); ["Jeff Stevenson"](#); ["Drew Clements"](#); ["Gio PimaOil"](#); sebastian@pimaoil.com; ["Smith, Cory, EMNRD"](#); ["Bratcher, Michael, EMNRD"](#)
Subject: Chimayo 16 State 3 Update for 9/15/23
Date: Wednesday, September 20, 2023 3:38:29 PM
Attachments: [Photo Log_9-15-23.pdf](#)

Good afternoon,

Attached is a photo log for further excavation work at the Chimayo 16 State 3. We continued to move soil from the previous release area. I apologize for these pictures not being in chronological order. Again, please holler with any questions.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.

5614 N Lovington Hwy.

Hobbs, NM, 88240

From: tom@pimaoil.com
To: ["Hall, Brittany, EMNRD"](#); ["Hamlet, Robert, EMNRD"](#)
Cc: ["Tom Campbell"](#); ["Nancy Winn"](#); ["Jeff Stevenson"](#); ["Drew Clements"](#); ["Gio PimaOil"](#); sebastian@pimaoil.com; ["Smith, Cory, EMNRD"](#); ["Bratcher, Michael, EMNRD"](#)
Subject: Chimayo 16 State 3 - Field Screen Data Tables
Date: Wednesday, September 20, 2023 4:33:15 PM
Attachments: [9-12 9-13 Field Screen Data Table.pdf](#)

Good afternoon,

Attached are the field screen data tables from 9/12 and 9/13 at the Chimayo. Please note these sample results are field results only, and have been tested twice. Our field tech who collected the samples ran the first tests, our lab tech in our office double checked the field tech's work. We reported the highest results we received from the two. Also note we are doing this in an effort to double check previous excavation work on this site. Please holler anytime with questions.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.
5614 N Lovington Hwy.
Hobbs, NM, 88240

From: tom@pimaoil.com
To: "[Hall, Brittany, EMNRD](#)"; "[Hamlet, Robert, EMNRD](#)"
Cc: "[Tom Campbell](#)"; "[Nancy Winn](#)"; "[Jeff Stevenson](#)"; "[Drew Clements](#)"; "[Gio PimaOil](#)"; sebastian@pimaoil.com;
"[Smith, Cory, EMNRD](#)"; "[Bratcher, Michael, EMNRD](#)"
Subject: Chimayo 16 State 3 Field Screen Data Table
Date: Thursday, September 21, 2023 3:24:39 PM
Attachments: [9-14-23 Field Screen Data Table.xlsx](#)

Good afternoon,

Attached is the field screen data table from 9/14 at the Chimayo 16 State 3. Please note these sample results are field results only, and have been tested twice. Our field tech who collected the samples ran the first tests, our lab tech in our office double checked the field tech's work. We reported the highest results we received from the two. Also note we are doing this in an effort to double check previous excavation work on this site. Please holler anytime with questions.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.
5614 N Lovington Hwy.
Hobbs, NM, 88240

From: [Tom Pima Oil](#)
To: [Hall, Brittany, EMNRD](#)
Cc: [Bratcher, Michael, EMNRD](#); [Drew Clements](#); [Gio PimaOil](#); [Hamlet, Robert, EMNRD](#); [Jeff Stevenson](#); [Nancy Winn](#); [Smith, Cory, EMNRD](#); [Tom Campbell](#); [sebastian@pimaoil.com](#)
Subject: Re: [EXTERNAL] Chimayo 16 State 3 Field Screen Data Table
Date: Monday, September 25, 2023 1:01:14 PM

As of right now we are planning to start collecting first thing Friday morning. Not exactly sure how long it will take, just depends on how many techs I can free up to help out on it.

Tom Bynum
580-748-1613
575-964-7740 Office
Inline image
Pima Environmental Services, LLC.

On Mon, Sep 25, 2023 at 11:43 AM Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov> wrote:

Tom,

Thank you for the updates. Do you have an estimated timeframe for when Pima will be collecting confirmation samples from the excavation and backfill?

Thank you,

Brittany Hall • Environmental Specialist

Environmental Bureau Projects Group

EMNRD - Oil Conservation Division

[1000 Rio Brazos Road | Aztec, NM 87110](#)

505.517.5333 | Brittany.Hall@emnrd.nm.gov

<http://www.emnrd.nm.gov/ocd/>

From: tom@pimaoil.com <tom@pimaoil.com>
Sent: Monday, September 25, 2023 9:06 AM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: 'Tom Campbell' <tom@oaknrg.com>; 'Nancy Winn' <nwinn@sbcglobal.net>; 'Jeff Stevenson' <Jeff@oaknrg.com>; 'Drew Clements' <daclem@charter.net>; 'Gio PimaOil' <gio@pimaoil.com>; sebastian@pimaoil.com; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>

Subject: [EXTERNAL] Chimayo 16 State 3 Field Screen Data Table

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning,

Attached is the field screen data table from 9/15 at the Chimayo 16 State 3. Please note these sample results are field results only, and have been tested twice. Our field tech who collected the samples ran the first tests, our lab tech in our office double checked the field tech's work. We reported the highest results we received from the two. Also note we are doing this in an effort to double check previous excavation work on this site. Please holler anytime with questions.

We should be ready for confirmation sampling by the end of this week, I will send out an official notification at least 2 business days in advance.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.

[5614 N Lovington Hwy.](#)

[Hobbs, NM, 88240](#)

From: tom@pimaoil.com
To: ["Hall, Brittany, EMNRD"](#); ["Hamlet, Robert, EMNRD"](#)
Cc: ["Andrew Pima Oil"](#); ["Audry Pima Oil"](#); ["Bratcher, Michael, EMNRD"](#); ["Gio PimaOil"](#); ["Nancy Winn"](#); ["Sebastian Pima Oil"](#); ["Smith, Cory, EMNRD"](#); ["TIM HOUGHTALING"](#); ["Tom Campbell"](#)
Subject: Chimayo 16 State 3 update - 9/29/23
Date: Monday, October 2, 2023 8:34:23 AM

Good morning,

Our techs were able to collect confirmation samples from the base and sidewalls of the excavation on Friday, September 29th. Today we plan to continue by collecting samples from the stockpiles. These samples will represent every 100 cubic yards as directed. Many thanks.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.

5614 N Lovington Hwy.

Hobbs, NM, 88240

From: tom@pimaoil.com
To: "[Hall, Brittany, EMNRD](#)"; "[Hamlet, Robert, EMNRD](#)"
Cc: "[Andrew Pima Oil](#)"; "[Audry Pima Oil](#)"; "[Bratcher, Michael, EMNRD](#)"; "[Gio PimaOil](#)"; "[Nancy Winn](#)"; "[Sebastian Pima Oil](#)"; "[TIM HOUGHTALING](#)"; "[Tom Campbell](#)"; "[Smith, Cory, EMNRD](#)"
Subject: Chimayo 16 State 3 update
Date: Wednesday, October 11, 2023 9:26:12 AM
Attachments: [10-2-23 East Stockpile.pdf](#)

Good morning,

Attached is the info from the east stock pile, holler if you have any questions. Many thanks.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.

5614 N Lovington Hwy.

Hobbs, NM, 88240

From: tom@pimaoil.com
To: ["Hall, Brittany, EMNRD"](#); ["Hamlet, Robert, EMNRD"](#)
Cc: ["Andrew Pima Oil"](#); ["Audry Pima Oil"](#); ["Bratcher, Michael, EMNRD"](#); ["Gio PimaOil"](#); ["Nancy Winn"](#); ["Sebastian Pima Oil"](#); ["Smith, Cory, EMNRD"](#); ["TIM HOUGHTALING"](#); ["Tom Campbell"](#)
Subject: Chimayo 16 State 3 update 10/2/23
Date: Tuesday, October 3, 2023 1:42:17 PM
Attachments: [Photo Log.pdf](#)

Good afternoon,

Our tech was able to start collecting confirmation samples from the stockpiles of the excavation on Monday, October 2nd. The first stockpile measured approximately 1,600 cubic yards so 16 samples were collected. The remaining stockpiles will be measured and collected by the end of this week. Many thanks.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.

5614 N Lovington Hwy.

Hobbs, NM, 88240

From: tom@pimaoil.com
To: "Smith, Cory, EMNRD"; "Hall, Brittany, EMNRD"; "Hamlet, Robert, EMNRD"
Cc: "Andrew Pima Oil"; "Audry Pima Oil"; "Bratcher, Michael, EMNRD"; "Gio PimaOil"; "Nancy Winn"; "Sebastian Pima Oil"; "TIM HOUGHTALING"; "Tom Campbell"
Subject: RE: [EXTERNAL] Chimayo 16 State 3 update for 10/3/23
Date: Thursday, October 5, 2023 5:54:18 AM
Attachments: [image002.png](#)
[image003.png](#)

Cory,
Thank you sir, I will work on these.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.

5614 N Lovington Hwy.

Hobbs, NM, 88240

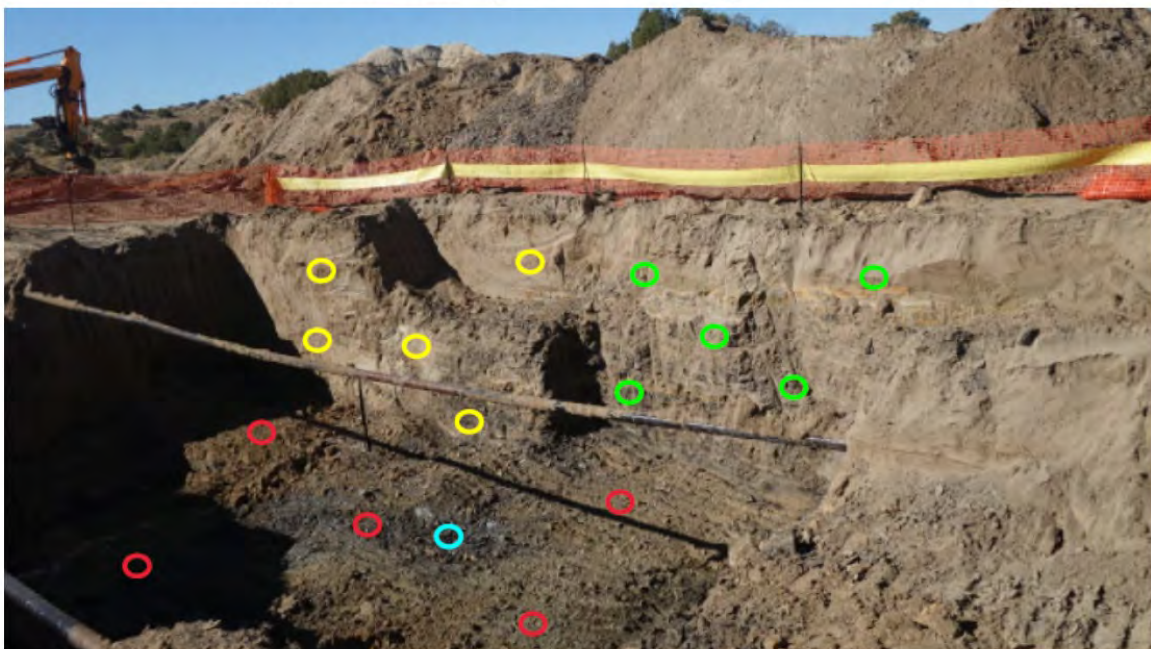
From: Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>
Sent: Wednesday, October 4, 2023 3:18 PM
To: tom@pimaoil.com; Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: 'Andrew Pima Oil' <andrew@pimaoil.com>; 'Audry Pima Oil' <audry@pimaoil.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; 'Gio PimaOil' <gio@pimaoil.com>; 'Nancy Winn' <nwinn@sbcglobal.net>; 'Sebastian Pima Oil' <sebastian@pimaoil.com>; 'TIM HOUGHTALING' <timh928@msn.com>; 'Tom Campbell' <tom@oaknrg.com>
Subject: RE: [EXTERNAL] Chimayo 16 State 3 update for 10/3/23

Tom,

Can I suggest that in your future updates you include pictures of the actual sampling event? We don't need to see all 19 samples, but including pictures of the sampling events in your reports here and in your closure reports helps answer questions and avoids rejections. Below I have included some examples.

We appreciate your willingness to continue to have open communications with the OCD.

Example of composite and grab sampling



Example of composite sampling



Cory Smith • Environmental Projects Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland Avenue N.E Suite 100 | Albuquerque, NM 87113

505.419.2687 | Cory.Smith@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: tom@pimaoil.com <tom@pimaoil.com>
Sent: Wednesday, October 4, 2023 9:51 AM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: 'Andrew Pima Oil' <andrew@pimaoil.com>; 'Audry Pima Oil' <audry@pimaoil.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; 'Gio PimaOil' <gio@pimaoil.com>; 'Nancy Winn' <nwinn@sbcglobal.net>; 'Sebastian Pima Oil' <sebastian@pimaoil.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>; 'TIM HOUGHTALING' <timh928@msn.com>; 'Tom Campbell' <tom@oaknrg.com>
Subject: [EXTERNAL] Chimayo 16 State 3 update for 10/3/23

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning,

Our tech was able to finish collecting confirmation samples from the stockpiles of the excavation on Tuesday, October 3rd. The second stockpile measured approximately 1,100 cubic yards so 11 samples were collected. The 3rd stockpile measured approximately 800 cubic yards so 8 samples were collected. I will send updates as the final lab sample reports are received. Many thanks.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.
5614 N Lovington Hwy.
Hobbs, NM, 88240

From: tom@pimaoil.com
To: "[Hall, Brittany, EMNRD](#)"; "[Hamlet, Robert, EMNRD](#)"
Cc: "[Andrew Pima Oil](#)"; "[Audry Pima Oil](#)"; "[Bratcher, Michael, EMNRD](#)"; "[Gio PimaOil](#)"; "[Nancy Winn](#)"; "[Sebastian Pima Oil](#)"; "[TIM HOUGHTALING](#)"; "[Tom Campbell](#)"; "[Smith, Cory, EMNRD](#)"
Subject: Chimayo 16 State 3 update
Date: Monday, October 9, 2023 9:57:37 AM
Attachments: [9-29-23 LabsA.pdf](#)
[9-29-23 LabsB.pdf](#)
[9-29-23 LabsC.pdf](#)
[9-29-23 Data Table.pdf](#)
[Sampling Events.pdf](#)

Good morning,

Attached are the data table, lab reports, and sampling event pictures for your reference. These will be included in the final closure report for the 2 incidents, and the reclamation of this site. Please holler anytime with questions. I expect the results of the stock piles to be coming in this week.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.

5614 N Lovington Hwy.

Hobbs, NM, 88240

From: tom@pimaoil.com
To: "[Hall, Brittany, EMNRD](#)"; "[Hamlet, Robert, EMNRD](#)"
Cc: "[Andrew Pima Oil](#)"; "[Audry Pima Oil](#)"; "[Bratcher, Michael, EMNRD](#)"; "[Gio PimaOil](#)"; "[Nancy Winn](#)"; "[Sebastian Pima Oil](#)"; "[TIM HOUGHTALING](#)"; "[Tom Campbell](#)"; "[Smith, Cory, EMNRD](#)"
Subject: RE: [EXTERNAL] Chimayo 16 State 3 update
Date: Thursday, October 19, 2023 5:54:26 AM

Good morning,
Thank you much Brittany, we will proceed.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.
5614 N Lovington Hwy.
Hobbs, NM, 88240

From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Sent: Wednesday, October 18, 2023 11:27 AM
To: tom@pimaoil.com; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: 'Andrew Pima Oil' <andrew@pimaoil.com>; 'Audry Pima Oil' <audry@pimaoil.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; 'Gio PimaOil' <gio@pimaoil.com>; 'Nancy Winn' <nwinn@sbcglobal.net>; 'Sebastian Pima Oil' <sebastian@pimaoil.com>; 'TIM HOUGHTALING' <timh928@msn.com>; 'Tom Campbell' <tom@oaknrg.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Chimayo 16 State 3 update

Tom,

I have not done a thorough review of all the information that you have sent but, per 19.15.29.12 D. (2) "If all composite and grab sample concentrations are less than or equal to the parameters listed in Table I of 19.15.29.12 NMAC or any conditions of approval, then the responsible party may proceed to backfill any excavated areas."

If the site meets the requirements of 19.15.29 NMAC and complies with the approved workplan and all conditions of the approval, the site can be backfilled.

Thank you,

Brittany Hall • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd/>

From: tom@pimaoil.com <tom@pimaoil.com>

Sent: Tuesday, October 17, 2023 8:45 AM

To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>; Hamlet, Robert, EMNRD
<Robert.Hamlet@emnrd.nm.gov>

Cc: 'Andrew Pima Oil' <andrew@pimaoil.com>; 'Audry Pima Oil' <audry@pimaoil.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; 'Gio PimaOil' <gio@pimaoil.com>; 'Nancy Winn' <nwinn@sbcglobal.net>; 'Sebastian Pima Oil' <sebastian@pimaoil.com>; 'TIM HOUGHTALING' <timh928@msn.com>; 'Tom Campbell' <tom@oaknrg.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>

Subject: [EXTERNAL] Chimayo 16 State 3 update

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning,

Attached are the results from the west and north stockpiles. My apologies for taking so long to get this out, I appreciate your patience.

The closure reports are in draft right now; may we have permission to backfill this excavation?

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.
5614 N Lovington Hwy.
Hobbs, NM, 88240



Pima Environmental Services

Appendix C

Photographic Documentation



Pinna Environmental Services, LLC.
3614 N Lovington Hwy
Hobbs, NM 88240 - 575-964-7740

JOB SAFETY ANALYSIS (JSA)
Date: 9-12-23

Company Name: Raybaw Project: Chimayo 16 State #003
Pinna PIC/Supervisor: Andrew Franco Task: Assessment
Permit(s) Required: One Call County: Lea
Work Description: Collect samples & Test samples
Simultaneous Operations: N/A
Equipment On Site: N/A

PPE Required: Hard hat, safety glasses, FR clothing, safety shoe boots, ear protection, gloves, 4-gas monitor
Circle All That Apply:

Job Steps	Hazards	Barriers or Controls
Assessment - Sampling affected areas	Slips, trips, falls, barriers, fences, exposure to contamination, LELs, H2S, weather, etc.	Exercise 360 awareness, stay alert, wear proper PPE in good condition, use 4-gas monitor
Excavate contaminated soils	Serious injury due to mechanical equipment, property damage, line strikes, slips, trips, falls	Use spotter, maintain 360 awareness, maintain communication, stay alert and focused
Heavy equipment operations	Slips, trips, falls, serious injury, property damage, line strikes	Use spotter, maintain 360 awareness and communication, stay alert and focused
Chemical treatments with tillers	Exposure to chemicals, serious injury due to rotating mechanical equipment	Wear proper PPE in good condition, use spotter, stay alert, focused by aware and communicate
Hot weather work	Heat exhaustion, heat stress, heat stroke, sunburn, overheating vehicles and equipment	Stay hydrated, take frequent breaks, utilize vehicles for cooling off, alternate tasks, check vehicles/equipment frequently
Cold weather work	Dehydration, frost bite, frozen tools and equipment, frozen ground	Stay hydrated, take breaks, utilize vehicles for warming up, alternate tasks, monitor ground conditions, reschedule work if needed

Andrew Franco *adnfranco* 9-12-23













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

JOB SAFETY ANALYSIS (JSA)
Date: 9-13-23

Company Name: Raybaw Project: Chimayo 16 State 3
Pima PIC/Supervisor: Andrew Franco Task: Assessment
Permit(s) Required: One Call County: _____
Work Description: Collect samples & test samples
Simultaneous Operations: N/A
Equipment On Site: N/A

PPE Required: Hard hat, safety glasses, FR clothing, safety toe boots, ear protection, gloves, & gas monitor
Circle All That Apply:

Job Steps	Hazards	Barriers or Controls
Assessment - Sampling affected areas	Slips, trips, falls, barriers, fences, exposure to contamination, LEL/L, H2S, weather, etc.	Exercise 360 awareness, stay alert, wear proper PPE in good condition, use 4-gas monitor
Excavate contaminated soils	Serious injury due to mechanical equipment, property damage, line strikes, slips, trips, falls	Use spotter, maintain 360 awareness, maintain communication, stay alert and focused
Heavy equipment operations	Slips, trips, falls, serious injury, property damage, line strikes	Use spotter, maintain 360 awareness and communication, stay alert and focused
Chemical treatments with tillers	Exposure to chemicals, serious injury due to rotating mechanical equipment	Wear proper PPE in good condition, use spotter, stay alert, focused be aware and communicate
Hot weather work	Heat exhaustion, heat stress, heat stroke, sunburn, overheating vehicles and equipment	Stay hydrated, take frequent breaks, utilize vehicles for cooling off, alternate tasks, check vehicles/equipment frequently
Cold weather work	Dehydration, frost bite, frozen tools and equipment, frozen ground	Stay hydrated, take breaks, utilize vehicles for warming up, alternate tasks, monitor ground conditions, reschedule work if needed

Andrew Franco *Vol. 2* 9-13-23











Planck Environmental Services, LLC
5614 N Lovington Hwy
Hobbs, NM 88240 - 575-964-7740

JOB SAFETY ANALYSIS (JSA)
Date: 9-14-23

Company Name: Raybow Project: Chimayo 116 State 3
Pima PIC/Supervisor: Andrew Franco Task: Kickoff excavation
Permit(s) Required: One Call County: Eddy
Work Description: Site Tech
Simultaneous Operations: _____
Equipment On Site: Dozer
PPE Required: Hard hat, safety glasses, FR clothing, safety toe boots, ear protection, gloves, 4-point monitor
Circle All That Apply:

Job Steps	Hazards	Barriers or Controls
Assessment - Sampling affected area	Slips, trips, falls, burnout, fumes, exposure to contamination, LEL, H2S, weather, etc.	Exercise 160 awareness, stay alert, use proper PPE in good condition, use a gas monitor
Excavate contaminated with heavy equipment operators	Serious injury due to mechanical equipment, property damage, line strikes, slips, trips, falls, serious injury, property damage, line strikes	Use spotters, maintain 160 awareness, maintain communication, stay alert and focused
Chemical treatments with fillers	Exposure to chemicals, serious injury due to rotating mechanical equipment	Use spotters, maintain 160 awareness and communication, stay alert and focused
Hot weather work	Heat exhaustion, heat stress, heat stroke, sunburn, overheating vehicles and equipment	Wear proper PPE in good condition, use spotters, stay alert, focused be aware and communicate
Cold weather work	Dehydration, frost bite, frozen tools and equipment, frozen ground	Stay hydrated, take frequent breaks, utilize vehicles for warming up, alternate tasks, check vehicles/equipment frequently

Wade Bence 9-14-23
Josh Ball 9-14-23
Carlson 9/14/23







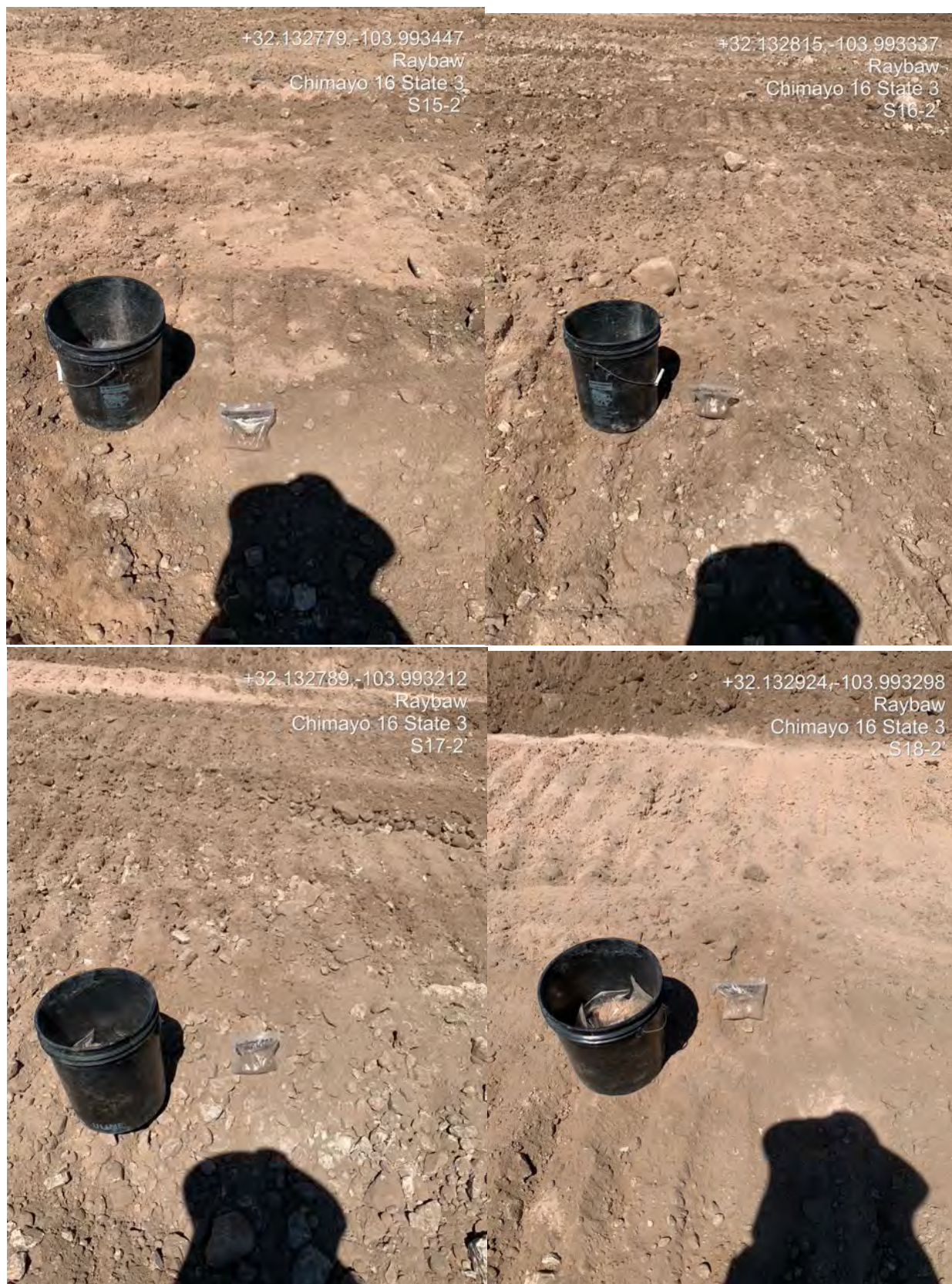
















Pima Environmental Services, LLC
5014 N. Livingston Hwy
Hobbs, NM 88240 ~ 575-964-7740

JOB SAFETY ANALYSIS (JSA)
Date: 9-15-23

Company Name: Raybaw Project: Chimayo 16 State 3
Pima PIC/Supervisor: Andrew Franco Task: Assessment/ Site Tech
Permit(s) Required: One Call County: Eddy
Work Description: Collect samples & Test samples
Simultaneous Operations:
Equipment On Site: Dozer

PPE Required: Hard hat, safety glasses, FR clothing, safety toe boots, ear protection, gloves, 4-gas monitor
Circle All That Apply:

Job Steps	Hazards	Barriers or Controls
Assessment - Sampling affected areas	Slips, trips, falls, barriers, fences, exposure to contamination, LELs, H2S, weather, etc.	Exercise 360 awareness, stay alert, wear proper PPE in good condition, use 4-gas monitor
Excavate contaminated soils	Serious injury due to mechanical equipment, property damage, line strikes, slips, trips, falls	Use spotter, maintain 360 awareness, maintain communication, stay alert and focused
Heavy equipment operations	Slips, trips, falls, serious injury, property damage, line strikes	Use spotter, maintain 360 awareness and communication, stay alert and focused
Chemical treatments with tillers	Exposure to chemicals, serious injury due to rotating mechanical equipment	Wear proper PPE in good condition, use spotter, stay alert, focused be aware and communicate
Hot weather work	Heat exhaustion, heat stress, heat stroke, sunburn, overheating vehicles and equipment	Stay hydrated, take frequent breaks, utilize vehicles for cooling off, alternate tasks, check vehicles/equipment frequently
Cold weather work	Dehydration, frost bite, frozen tools and equipment, frozen ground	Stay hydrated, take breaks, utilize vehicles for warming up, alternate tasks, monitor ground conditions, reschedule work if needed

Andrew Franco 9-15-23
John Smith 9-15-23



+32.132989,-103.992888
Eddy County
Raybaw
Chimayo 16 State 3
Excavation update



+32.132432,-103.993163
Eddy County
Raybaw
Chimayo 16 State 3
TS4-4



+32.132928,-103.992973
Eddy County
Raybaw
Chimayo 16 State 3
Excavation update



+32.132488,-103.993155
Eddy County
Raybaw
Chimayo 16 State 3
S5-4



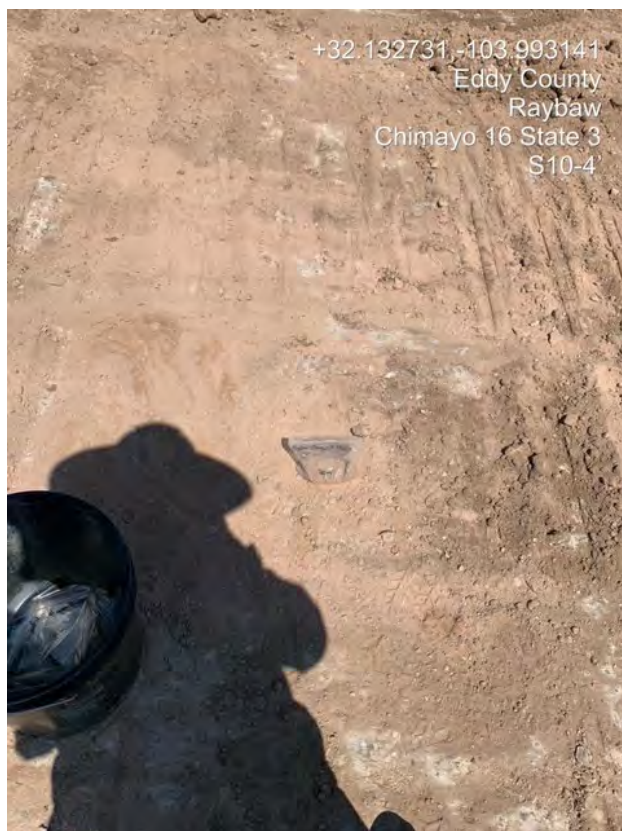
+32.132928,-103.993332
Eddy County
Raybaw
Chimayo 16 State 3
Excavation update



+32.132675,-103.993041
Eddy County
Raybaw
Chimayo 16 State 3
S6-4



+32.132928,-103.993332
Eddy County
Raybaw
Chimayo 16 State 3
Excavation update











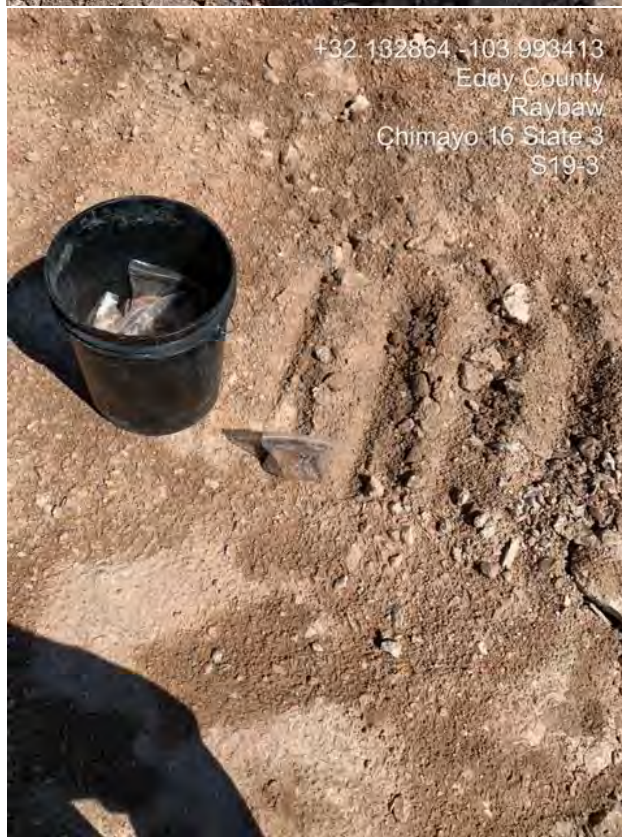


























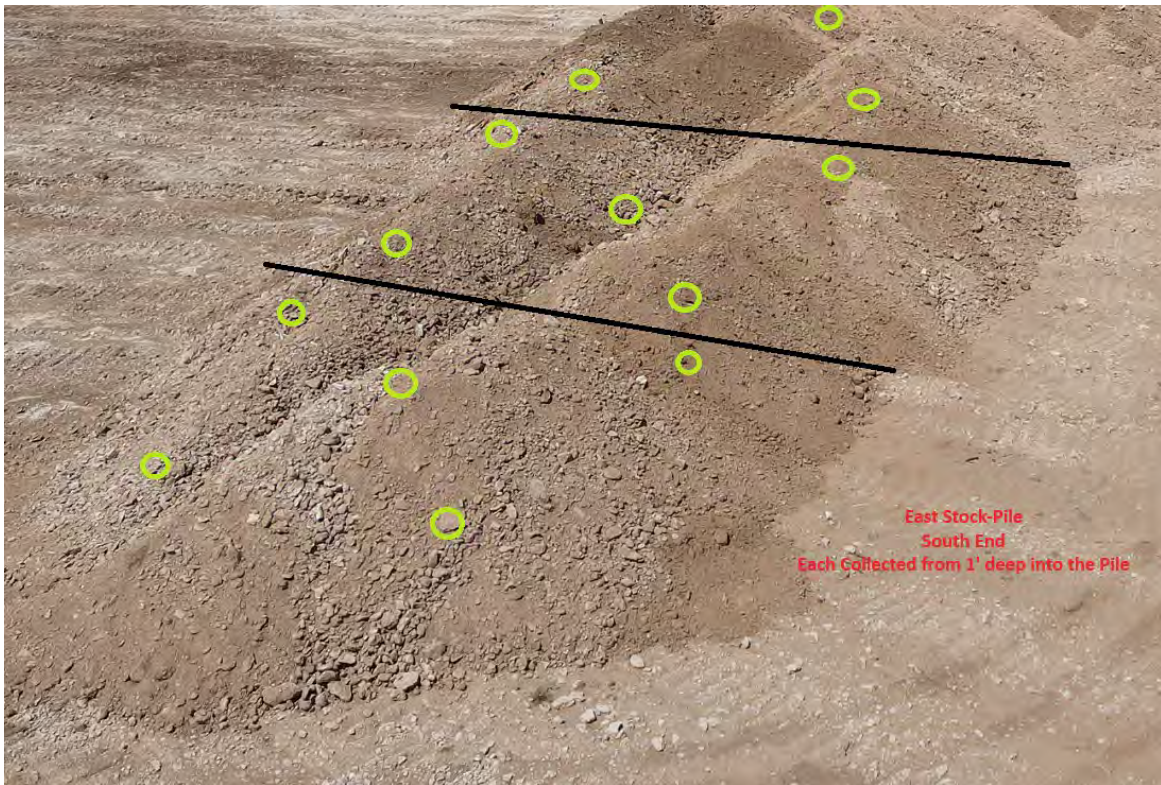


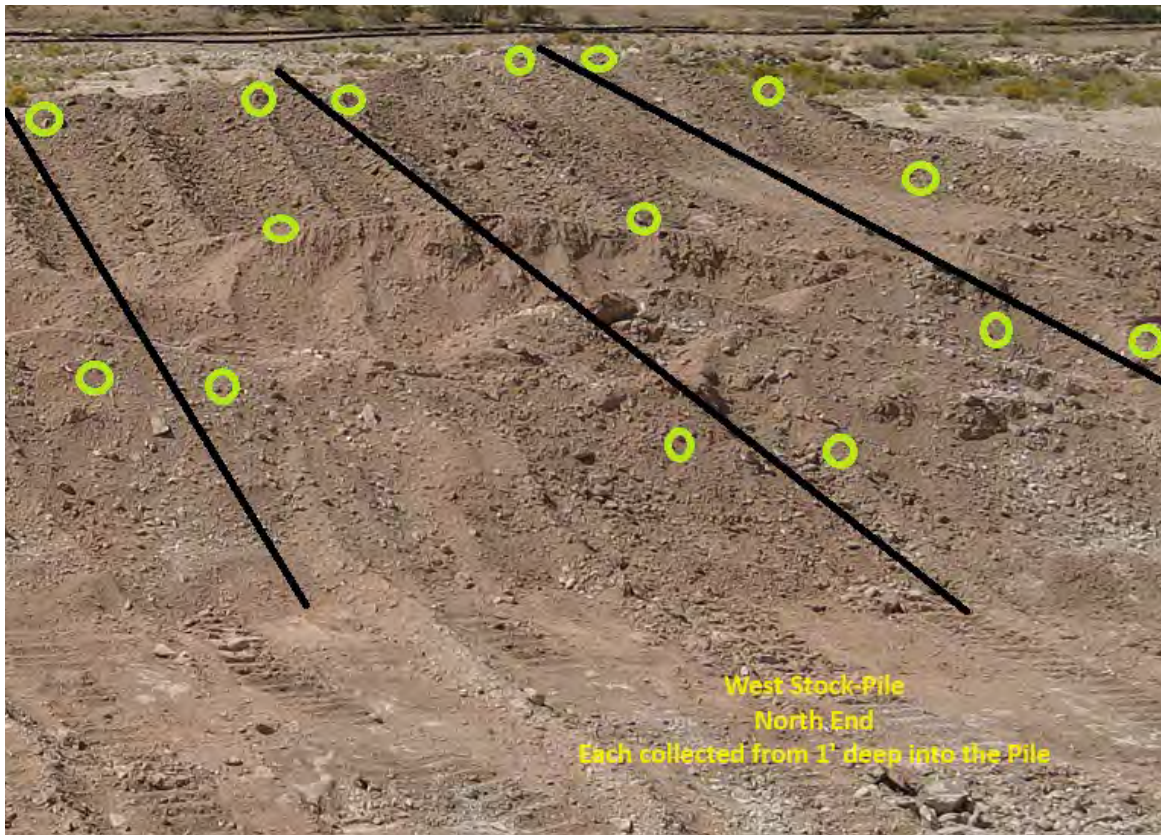












Composite Base Sampling Example



Composite Sidewall Sampling Example





Pima Environmental Services

Appendix D

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Chimayo 16 State #3

Work Order: E310003

Job Number: 21064-0001

Received: 10/3/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/4/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/4/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Chimayo 16 State #3
Workorder: E310003
Date Received: 10/3/2023 6:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2023 6:15:00AM, under the Project Name: Chimayo 16 State #3.

The analytical test results summarized in this report with the Project Name: Chimayo 16 State #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:	Chimayo 16 State #3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/23 16:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E310003-01A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS2	E310003-02A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS3	E310003-03A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS4	E310003-04A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS5	E310003-05A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS6	E310003-06A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS7	E310003-07A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS8	E310003-08A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS9	E310003-09A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS10	E310003-10A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS11	E310003-11A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS12	E310003-12A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS13	E310003-13A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS14	E310003-14A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS15	E310003-15A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS16	E310003-16A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS17	E310003-17A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS18	E310003-18A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS19	E310003-19A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS20	E310003-20A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS1

E310003-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340023	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340032	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	88.6 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2340026	
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS2

E310003-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	57.6 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340026
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS3

E310003-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	59.2 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340026
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS4

E310003-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340023	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.1 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340032	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	60.9 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2340026	
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS5

E310003-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340023	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.9 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340032	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	84.9 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2340026	
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS6

E310003-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.9 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	87.1 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340026
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS7

E310003-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	84.0 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340026
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS8

E310003-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	87.1 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340026
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS9

E310003-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	88.0 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340026
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS10

E310003-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	87.9 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340026
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS11

E310003-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.6 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	93.0 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340026
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS12

E310003-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.6 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	95.9 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340026
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS13

E310003-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.9 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	97.8 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340026
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS14

E310003-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340031
Benzene	ND	0.0250	1	10/04/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/04/23	10/04/23	
Toluene	ND	0.0250	1	10/04/23	10/04/23	
o-Xylene	ND	0.0250	1	10/04/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/04/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/04/23	10/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		10/04/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/23	10/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		10/04/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340055
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/23	10/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/23	10/04/23	
<i>Surrogate: n-Nonane</i>						
	91.2 %	50-200		10/04/23	10/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340053
Chloride	ND	20.0	1	10/03/23	10/04/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS15

E310003-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340031
Benzene	ND	0.0250	1	10/04/23	10/04/23	
Ethylbenzene	ND	0.0250	1	10/04/23	10/04/23	
Toluene	ND	0.0250	1	10/04/23	10/04/23	
o-Xylene	ND	0.0250	1	10/04/23	10/04/23	
p,m-Xylene	ND	0.0500	1	10/04/23	10/04/23	
Total Xylenes	ND	0.0250	1	10/04/23	10/04/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	70-130		10/04/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/04/23	10/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		10/04/23	10/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340055
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/23	10/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/23	10/04/23	
<i>Surrogate: n-Nonane</i>						
	87.9 %	50-200		10/04/23	10/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340053
Chloride	ND	20.0	1	10/03/23	10/04/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS16

E310003-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.9 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	93.8 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340026
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS17

E310003-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.5 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	79.9 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340026
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS18

E310003-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.3 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	82.6 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340026
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS19

E310003-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	83.7 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340026
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:48:19PM

CS20

E310003-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
<i>Surrogate: n-Nonane</i>						
	83.8 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340026
Chloride	ND	20.0	1	10/02/23	10/03/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2023 4:48:19PM

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 (2340023-BLK1)

Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.3	70-130			

LCS (2340023-BS1)

Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	4.91	0.0250	5.00		98.2	70-130			
Ethylbenzene	4.88	0.0250	5.00		97.6	70-130			
Toluene	4.92	0.0250	5.00		98.4	70-130			
o-Xylene	4.88	0.0250	5.00		97.6	70-130			
p,m-Xylene	9.95	0.0500	10.0		99.5	70-130			
Total Xylenes	14.8	0.0250	15.0		98.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			

Matrix Spike (2340023-MS1)

Source: E310003-09

Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	4.89	0.0250	5.00	ND	97.7	54-133			
Ethylbenzene	4.86	0.0250	5.00	ND	97.1	61-133			
Toluene	4.89	0.0250	5.00	ND	97.8	61-130			
o-Xylene	4.87	0.0250	5.00	ND	97.4	63-131			
p,m-Xylene	9.91	0.0500	10.0	ND	99.1	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130			

Matrix Spike Dup (2340023-MSD1)

Source: E310003-09

Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	4.89	0.0250	5.00	ND	97.8	54-133	0.0961	20	
Ethylbenzene	4.87	0.0250	5.00	ND	97.4	61-133	0.246	20	
Toluene	4.89	0.0250	5.00	ND	97.9	61-130	0.0705	20	
o-Xylene	4.88	0.0250	5.00	ND	97.7	63-131	0.315	20	
p,m-Xylene	9.95	0.0500	10.0	ND	99.5	63-131	0.360	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	0.345	20	
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2023 4:48:19PM

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 (2340031-BLK1)

Prepared: 10/03/23 Analyzed: 10/04/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.76		8.00		97.0	70-130			

LCS (2340031-BS1)

Prepared: 10/03/23 Analyzed: 10/04/23

Benzene	4.80	0.0250	5.00		96.1	70-130			
Ethylbenzene	4.73	0.0250	5.00		94.6	70-130			
Toluene	4.79	0.0250	5.00		95.8	70-130			
o-Xylene	4.75	0.0250	5.00		95.1	70-130			
p,m-Xylene	9.61	0.0500	10.0		96.1	70-130			
Total Xylenes	14.4	0.0250	15.0		95.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.2	70-130			

Matrix Spike (2340031-MS1)

Source: E309245-03

Prepared: 10/03/23 Analyzed: 10/04/23

Benzene	4.80	0.0250	5.00	ND	96.1	54-133			
Ethylbenzene	4.74	0.0250	5.00	ND	94.8	61-133			
Toluene	4.80	0.0250	5.00	ND	95.9	61-130			
o-Xylene	4.76	0.0250	5.00	ND	95.2	63-131			
p,m-Xylene	9.65	0.0500	10.0	ND	96.5	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.1	70-130			

Matrix Spike Dup (2340031-MSD1)

Source: E309245-03

Prepared: 10/03/23 Analyzed: 10/04/23

Benzene	4.80	0.0250	5.00	ND	96.0	54-133	0.105	20	
Ethylbenzene	4.76	0.0250	5.00	ND	95.3	61-133	0.492	20	
Toluene	4.80	0.0250	5.00	ND	96.0	61-130	0.0500	20	
o-Xylene	4.76	0.0250	5.00	ND	95.3	63-131	0.0199	20	
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131	0.383	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.3	63-131	0.263	20	
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2023 4:48:19PM

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 (2340023-BLK1)

Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.3	70-130			

LCS (2340023-BS2)

Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			

Matrix Spike (2340023-MS2)

Source: E310003-09

Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.99		8.00		99.9	70-130			

Matrix Spike Dup (2340023-MSD2)

Source: E310003-09

Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130	0.980	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2023 4:48:19PM

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 (2340031-BLK1)

Prepared: 10/03/23 Analyzed: 10/04/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			

LCS (2340031-BS2)

Prepared: 10/03/23 Analyzed: 10/04/23

Gasoline Range Organics (C6-C10)	49.6	20.0	50.0		99.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.99		8.00		99.9	70-130			

Matrix Spike (2340031-MS2)

Source: E309245-03

Prepared: 10/03/23 Analyzed: 10/04/23

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.4	70-130			

Matrix Spike Dup (2340031-MSD2)

Source: E309245-03

Prepared: 10/03/23 Analyzed: 10/04/23

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130	6.25	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.15		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported: 10/4/2023 4:48:19PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

Blank (2340032-BLK1)					Prepared: 10/03/23 Analyzed: 10/03/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.7		50.0		85.4	50-200			

LCS (2340032-BS1)					Prepared: 10/03/23 Analyzed: 10/03/23				
Diesel Range Organics (C10-C28)	211	25.0	250		84.5	38-132			
Surrogate: n-Nonane	43.4		50.0		86.7	50-200			

Matrix Spike (2340032-MS1)					Source: E310003-01		Prepared: 10/03/23 Analyzed: 10/03/23		
Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.4	38-132			
Surrogate: n-Nonane	40.6		50.0		81.3	50-200			

Matrix Spike Dup (2340032-MSD1)					Source: E310003-01		Prepared: 10/03/23 Analyzed: 10/03/23		
Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.3	38-132	1.14	20	
Surrogate: n-Nonane	40.4		50.0		80.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported: 10/4/2023 4:48:19PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

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 (2340055-BLK1)					Prepared: 10/04/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.2		50.0		90.5	50-200			

LCS (2340055-BS1)					Prepared: 10/04/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	190	25.0	250		76.0	38-132			
Surrogate: n-Nonane	43.8		50.0		87.6	50-200			

Matrix Spike (2340055-MS1)					Source: E310018-05		Prepared: 10/04/23 Analyzed: 10/04/23		
Diesel Range Organics (C10-C28)	193	25.0	250	ND	77.3	38-132			
Surrogate: n-Nonane	39.8		50.0		79.5	50-200			

Matrix Spike Dup (2340055-MSD1)					Source: E310018-05		Prepared: 10/04/23 Analyzed: 10/04/23		
Diesel Range Organics (C10-C28)	179	25.0	250	ND	71.5	38-132	7.84	20	
Surrogate: n-Nonane	40.9		50.0		81.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported: 10/4/2023 4:48:19PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340026-BLK1)					Prepared: 10/02/23 Analyzed: 10/03/23				
Chloride	ND	20.0							
LCS (2340026-BS1)					Prepared: 10/02/23 Analyzed: 10/03/23				
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2340026-MS1)					Source: E310003-01		Prepared: 10/02/23 Analyzed: 10/03/23		
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2340026-MSD1)					Source: E310003-01		Prepared: 10/02/23 Analyzed: 10/03/23		
Chloride	256	20.0	250	ND	102	80-120	0.839	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2023 4:48:19PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2340053-BLK1)					Prepared: 10/03/23 Analyzed: 10/03/23				
Chloride	ND	20.0							
LCS (2340053-BS1)					Prepared: 10/03/23 Analyzed: 10/03/23				
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2340053-MS1)					Source: E309226-21		Prepared: 10/03/23 Analyzed: 10/03/23		
Chloride	20900	1000	250	25500	NR	80-120			M5
Matrix Spike Dup (2340053-MSD1)					Source: E309226-21		Prepared: 10/03/23 Analyzed: 10/03/23		
Chloride	24500	1000	250	25500	NR	80-120	15.8	20	M5

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/23 16:48

- M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 6

Client: Pima Environmental Services					Attention: <u>Pay Bill To</u> Address: _____ City, State, Zip _____ Phone: _____ Email: _____ Pima Project # <u>266</u>					Lab Use Only				TAT				EPA Program			
Project: <u>Chimayo 16 State #3</u>										Lab WO# <u>E310003</u>		Job Number <u>21064-0001</u>		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Tom Bynum										Analysis and Method										RCRA	
Address: 5614 N. Lovington Hwy.																				State	
City, State, Zip Hobbs, NM. 88240										NM		CO	UT	AZ	TX						
Phone: 580-748-1613					Remarks																
Email: tom@pimaoil.com																					
Report due by: _____																					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX
8:30	9/29	S	1	CS1	1							X	
8:50				CS2	2								
9:00				CS3	3								
9:05				CS4	4								
9:15				CS5	5								
9:20				CS6	6								
9:29				CS7	7								
9:33				CS8	8								
9:39				CS9	9								
9:45				CS10	10								

Additional Instructions: Billing # to Pima Environmental

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: _____

Relinquished by: (Signature) <u>Karine Adams</u>	Date <u>10/2/23</u>	Time <u>3:00</u>	Received by: (Signature) <u>Michelle Goy</u>	Date <u>10-2-23</u>	Time <u>1500</u>
Relinquished by: (Signature) <u>Michelle Goy</u>	Date <u>10-2-23</u>	Time <u>1815</u>	Received by: (Signature) <u>Andrew Messo</u>	Date <u>10-2-23</u>	Time <u>1815</u>
Relinquished by: (Signature) <u>Andrew Messo</u>	Date <u>10-2-23</u>	Time <u>2400</u>	Received by: (Signature) <u>Kayla R. Hall</u>	Date <u>10/3/23</u>	Time <u>615</u>

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

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

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



Project Information

Chain of Custody

Page 2 of 6

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program				
Project: <u>Chimayo 16 State #23</u>					Attention: <u>Ray Basso</u>		Lab WO# <u>E310003</u>		Job Number <u>210604-0001</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA		
Address: 5614 N. Lovington Hwy.					City, State, Zip												
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:												
Phone: 580-748-1613					Email:												
Email: tom@pimaoil.com					Pima Project # <u>26-6</u>												
Report due by:																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks			
9:50	9/29	S	1	CS 11	11							X					
10:04				CS 12	12												
10:20				CS 13	13												
10:40				CS 14	14												
11:03				CS 15	15												
11:16				CS 16	16												
11:24				CS 17	17												
11:49				CS 18	18												
12:00				CS 19	19												
12:15				CS 20	20												
Additional Instructions: <u>Billing # to Pima Environmental</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 5 °C on subsequent days.							
Relinquished by: (Signature) <u>Karime Achame</u>					Date <u>10/2/23</u>		Time <u>3:00</u>		Received by: (Signature) <u>Maria Elena</u>					Date <u>10-2-23</u>		Time <u>1500</u>	
Relinquished by: (Signature) <u>Maria Elena</u>					Date <u>10-2-23</u>		Time <u>1815</u>		Received by: (Signature) <u>Andrew Messo</u>					Date <u>10-2-23</u>		Time <u>1815</u>	
Relinquished by: (Signature) <u>Andrew Messo</u>					Date <u>10-2-23</u>		Time <u>2400</u>		Received by: (Signature) <u>Kyle R Hall</u>					Date <u>10/3/23</u>		Time <u>615</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

Envirotech Analytical Laboratory

Printed: 10/3/2023 10:31:36AM

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:	10/03/23 06:15	Work Order ID:	E310003
Phone:	(575) 631-6977	Date Logged In:	10/03/23 16:22	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	10/03/23 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Proeject Chimayo 16 State #3 has been separated into 3 reports due to high sample volume.
Workorders are as follows:
E310003/E310004/E310005.

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: Chimayo 16 State #3

Work Order: E310004

Job Number: 21064-0001

Received: 10/3/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/4/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/4/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Chimayo 16 State #3
Workorder: E310004
Date Received: 10/3/2023 6:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2023 6:15:00AM, under the Project Name: Chimayo 16 State #3.

The analytical test results summarized in this report with the Project Name: Chimayo 16 State #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:	Chimayo 16 State #3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/23 16:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS21	E310004-01A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS22	E310004-02A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS23	E310004-03A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS24	E310004-04A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS25	E310004-05A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS26	E310004-06A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS27	E310004-07A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS28	E310004-08A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS29	E310004-09A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS30	E310004-10A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS31	E310004-11A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS32	E310004-12A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS33	E310004-13A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS34	E310004-14A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS35	E310004-15A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS36	E310004-16A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS37	E310004-17A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS38	E310004-18A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS39	E310004-19A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS40	E310004-20A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS21

E310004-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340024	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene	102 %	70-130		10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		10/02/23	10/03/23	
Surrogate: Toluene-d8	80.8 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340024	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene	102 %	70-130		10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		10/02/23	10/03/23	
Surrogate: Toluene-d8	80.8 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340034	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane	81.6 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2340027	
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS22

E310004-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		82.1 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		82.1 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		83.7 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS23

E310004-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene	99.9 %	70-130		10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/02/23	10/03/23	
Surrogate: Toluene-d8	82.0 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene	99.9 %	70-130		10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/02/23	10/03/23	
Surrogate: Toluene-d8	82.0 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane	84.4 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS24

E310004-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		107 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		107 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		84.4 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS25

E310004-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		104 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		99.6 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		104 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		99.6 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		86.1 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS26

E310004-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		100 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		100 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		82.6 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS27

E310004-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		81.7 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		81.7 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		93.5 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS28

E310004-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		10/02/23	10/03/23	
Surrogate: Toluene-d8	82.3 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		10/02/23	10/03/23	
Surrogate: Toluene-d8	82.3 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane	94.8 %	50-200		10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS29

E310004-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		102 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		81.7 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		102 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		81.7 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		91.9 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS30

E310004-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		91.6 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS31

E310004-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		107 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		105 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		107 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		105 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		102 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS32

E310004-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		106 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		91.3 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		106 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		91.3 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		98.2 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS33

E310004-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		81.3 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		81.3 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		101 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS34

E310004-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		100 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		81.2 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		100 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		81.2 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		98.6 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS35

E310004-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		81.0 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		81.0 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		101 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS36

E310004-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		81.3 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		101 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		81.3 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		84.7 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS37

E310004-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		107 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		99.5 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		107 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		99.5 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		86.3 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS38

E310004-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		82.9 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS39

E310004-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		105 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		105 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		105 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		82.4 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:31:50PM

CS40

E310004-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		107 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		107 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		101 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		84.2 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340027
Chloride	ND	20.0	1	10/02/23	10/03/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2023 4:31:50PM

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 (2340024-BLK1)

Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

LCS (2340024-BS1)

Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	2.51	0.0250	2.50		101	70-130			
Ethylbenzene	2.55	0.0250	2.50		102	70-130			
Toluene	2.46	0.0250	2.50		98.6	70-130			
o-Xylene	2.69	0.0250	2.50		107	70-130			
p,m-Xylene	5.32	0.0500	5.00		106	70-130			
Total Xylenes	8.01	0.0250	7.50		107	70-130			
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

Matrix Spike (2340024-MS1)

Source: E310004-10

Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	2.71	0.0250	2.50	ND	108	48-131			
Ethylbenzene	2.71	0.0250	2.50	ND	108	45-135			
Toluene	2.68	0.0250	2.50	ND	107	48-130			
o-Xylene	2.62	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.17	0.0500	5.00	ND	103	43-135			
Total Xylenes	7.79	0.0250	7.50	ND	104	43-135			
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

Matrix Spike Dup (2340024-MSD1)

Source: E310004-10

Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	2.39	0.0250	2.50	ND	95.6	48-131	12.5	23	
Ethylbenzene	2.48	0.0250	2.50	ND	99.3	45-135	8.69	27	
Toluene	2.38	0.0250	2.50	ND	95.2	48-130	12.0	24	
o-Xylene	2.70	0.0250	2.50	ND	108	43-135	3.02	27	
p,m-Xylene	5.40	0.0500	5.00	ND	108	43-135	4.40	27	
Total Xylenes	8.10	0.0250	7.50	ND	108	43-135	3.94	27	
Surrogate: Bromofluorobenzene	0.561		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported: 10/4/2023 4:31:50PM
PO Box 247	Project Number:	21064-0001	
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 (2340024-BLK1)

Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

LCS (2340024-BS2)

Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	58.6	20.0	50.0		117	70-130			
Surrogate: Bromofluorobenzene	0.548		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

Matrix Spike (2340024-MS2)

Source: E310004-10

Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	59.7	20.0	50.0	ND	119	70-130			
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.4	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

Matrix Spike Dup (2340024-MSD2)

Source: E310004-10

Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	59.1	20.0	50.0	ND	118	70-130	0.974	20	
Surrogate: Bromofluorobenzene	0.556		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2023 4:31:50PM

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 (2340034-BLK1)

Prepared: 10/03/23 Analyzed: 10/03/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.8		50.0		89.5	50-200			

LCS (2340034-BS1)

Prepared: 10/03/23 Analyzed: 10/03/23

Diesel Range Organics (C10-C28)	233	25.0	250		93.0	38-132			
Surrogate: n-Nonane	42.8		50.0		85.7	50-200			

Matrix Spike (2340034-MS1)

Source: E310004-04

Prepared: 10/03/23 Analyzed: 10/03/23

Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.9	38-132			
Surrogate: n-Nonane	43.6		50.0		87.2	50-200			

Matrix Spike Dup (2340034-MSD1)

Source: E310004-04

Prepared: 10/03/23 Analyzed: 10/03/23

Diesel Range Organics (C10-C28)	222	25.0	250	ND	88.6	38-132	4.72	20	
Surrogate: n-Nonane	43.3		50.0		86.5	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2023 4:31:50PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340027-BLK1)

Prepared: 10/02/23 Analyzed: 10/03/23

Chloride ND 20.0

LCS (2340027-BS1)

Prepared: 10/02/23 Analyzed: 10/03/23

Chloride 237 20.0 250 94.6 90-110

Matrix Spike (2340027-MS1)

Source: E310004-01

Prepared: 10/02/23 Analyzed: 10/03/23

Chloride 253 20.0 250 ND 101 80-120

Matrix Spike Dup (2340027-MSD1)

Source: E310004-01

Prepared: 10/02/23 Analyzed: 10/03/23

Chloride 260 20.0 250 ND 104 80-120 2.72 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:	Chimayo 16 State #3	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/23 16:31

- 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 3 of 6

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program			
Project: <u>Chimayo 16 State #3</u>					Attention: <u>Ray Daw</u>		Lab WO# <u>E310004</u>		Job Number <u>21064-0001</u>		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA			
Address: 5614 N. Lovington Hwy.					City, State, Zip													
City, State, Zip: Hobbs, NM, 88240					Phone:													
Phone: 580-748-1613					Email:													
Email: tom@pimaoil.com					Pima Project # <u>26-6</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	BGDOC TX	State				
														NM	CO	UT	AZ	TX
12:20	9/29	S	1	CS 21	1							X						
12:24				CS 22	2													
12:33				CS 23	3													
12:39				CS 24	4													
12:42				CS 25	5													
12:49				CS 26	6													
12:51				CS 27	7													
12:52				CS 28	8													
12:59				CS 29	9													
1:00				CS 30	10													
Additional Instructions: <u>Billing # to Pima Environmental</u>																		
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 5 °C on subsequent days.						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
<u>Karime Adame</u>		<u>10/2/23</u>	<u>2:00</u>	<u>Michelle Euyf</u>		<u>10-2-23</u>	<u>1:50</u>	Received on ice: <u>Y</u> N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____										
<u>Michelle Euyf</u>		<u>10-2-23</u>	<u>18:15</u>	<u>Andrew m6so</u>		<u>10-2-23</u>	<u>18:15</u>											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>										
<u>Andrew m6so</u>		<u>10-2-23</u>	<u>2400</u>	<u>Kayla R Heed</u>		<u>10/3/23</u>	<u>6:15</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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Project Information

Chain of Custody

Page 4 of 6

Client: Pima Environmental Services				Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>Chimayo to State #3</u>				Attention: <u>Ray Buss</u>		Lab WO# <u>E310004</u>		Job Number <u>21004-000</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:											
Phone: <u>580-748-1613</u>				Email:											
Email: <u>tom@pimaoil.com</u>				Pima Project # <u>26-6</u>											
Report due by:															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BDOC NM	BDOC TX	Remarks
1:04	9/29	S	1	CS 31	11								X		
1:09				CS 32	12										
1:20				CS 33	13										
1:24				CS 34	14										
1:30				CS 35	15										
1:35				CS 36	16										
1:40				CS 37	17										
1:46				CS 38	18										
1:51				CS 39	19										
1:59				CS 40	20										
Additional Instructions:															
Billing # to Pima Environmental															
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:															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only							
<u>Harime Adams</u>		<u>10/2/23</u>	<u>3:00</u>	<u>Michelle Cuyf</u>		<u>10-2-23</u>	<u>1500</u>	Received on ice: <u>Y</u> / N							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3							
<u>Michelle Cuyf</u>		<u>10-2-23</u>	<u>1815</u>	<u>Andrew M. G.</u>		<u>10-2-23</u>	<u>1815</u>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>							
<u>Andrew M. G.</u>		<u>10-2-23</u>	<u>2400</u>	<u>Ryan H. H.</u>		<u>10/3/23</u>	<u>615</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: 10/3/2023 10:35:16AM

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:	10/03/23 06:15	Work Order ID:	E310004
Phone:	(575) 631-6977	Date Logged In:	10/03/23 16:29	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	10/03/23 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Proeject Chimayo 16 State #3 has been separated into 3 reports due to high sample volume.
Workorders are as follows:
E310003/E310004/E310005.

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: Chimayo 16 State #3

Work Order: E310005

Job Number: 21064-0001

Received: 10/3/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/4/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/4/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Chimayo 16 State #3
Workorder: E310005
Date Received: 10/3/2023 6:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2023 6:15:00AM, under the Project Name: Chimayo 16 State #3.

The analytical test results summarized in this report with the Project Name: Chimayo 16 State #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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labadmin@envirotech-inc.com

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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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Chain of Custody etc.

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported: 10/04/23 16:44
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS41	E310005-01A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS42	E310005-02A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS43	E310005-03A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS44	E310005-04A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS45	E310005-05A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS46	E310005-06A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS47	E310005-07A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS48	E310005-08A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CS49	E310005-09A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CSW1	E310005-10A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CSW2	E310005-11A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CSW3	E310005-12A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CSW4	E310005-13A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.
CSW5	E310005-14A	Soil	09/29/23	10/03/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:44:03PM

CS41

E310005-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		114 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		108 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		114 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		108 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		88.1 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340028
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:44:03PM

CS42

E310005-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		112 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		107 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		112 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		107 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		87.1 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340028
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:44:03PM

CS43

E310005-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		112 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		108 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		112 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		108 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		85.9 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340028
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:44:03PM

CS44

E310005-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		112 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		109 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		112 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		109 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		94.5 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340028
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:44:03PM

CS45

E310005-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		108 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		110 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		108 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		94.8 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340028
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:44:03PM

CS46

E310005-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		111 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		108 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		111 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		108 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		93.5 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340028
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:44:03PM

CS47

E310005-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		115 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		108 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		115 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		108 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		95.7 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340028
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:44:03PM

CS48

E310005-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		115 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		109 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		115 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		109 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		105 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340028
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:44:03PM

CS49

E310005-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		114 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		109 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		114 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		109 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		105 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340028
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:44:03PM

CSW1

E310005-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		111 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		109 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		111 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		109 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		102 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340028
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:44:03PM

CSW2

E310005-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		111 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		110 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		111 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		110 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		102 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340028
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:44:03PM

CSW3

E310005-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		112 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		107 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		112 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		107 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		86.1 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340028
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:44:03PM

CSW4

E310005-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		111 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		109 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		111 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		109 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		87.1 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340028
Chloride	ND	20.0	1	10/02/23	10/03/23	



Sample Data

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

Project Name: Chimayo 16 State #3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/4/2023 4:44:03PM

CSW5

E310005-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		109 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		109 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: Bromofluorobenzene		109 %	70-130	10/02/23	10/03/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	10/02/23	10/03/23	
Surrogate: Toluene-d8		109 %	70-130	10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/03/23	
Surrogate: n-Nonane		88.9 %	50-200	10/03/23	10/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340028
Chloride	ND	20.0	1	10/02/23	10/03/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2023 4:44:03PM

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 (2340025-BLK1)

Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.564		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			

LCS (2340025-BS1)

Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	2.31	0.0250	2.50		92.5	70-130			
Ethylbenzene	2.53	0.0250	2.50		101	70-130			
Toluene	2.42	0.0250	2.50		96.9	70-130			
o-Xylene	2.54	0.0250	2.50		102	70-130			
p,m-Xylene	5.07	0.0500	5.00		101	70-130			
Total Xylenes	7.61	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.574		0.500		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			

Matrix Spike (2340025-MS1)

Source: E310005-07

Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	2.53	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.61	0.0250	2.50	ND	104	45-135			
Toluene	2.58	0.0250	2.50	ND	103	48-130			
o-Xylene	2.59	0.0250	2.50	ND	104	43-135			
p,m-Xylene	5.23	0.0500	5.00	ND	105	43-135			
Total Xylenes	7.82	0.0250	7.50	ND	104	43-135			
Surrogate: Bromofluorobenzene	0.587		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

Matrix Spike Dup (2340025-MSD1)

Source: E310005-07

Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	2.63	0.0250	2.50	ND	105	48-131	3.91	23	
Ethylbenzene	2.65	0.0250	2.50	ND	106	45-135	1.48	27	
Toluene	2.62	0.0250	2.50	ND	105	48-130	1.48	24	
o-Xylene	2.66	0.0250	2.50	ND	106	43-135	2.50	27	
p,m-Xylene	5.34	0.0500	5.00	ND	107	43-135	2.21	27	
Total Xylenes	8.00	0.0250	7.50	ND	107	43-135	2.31	27	
Surrogate: Bromofluorobenzene	0.586		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2023 4:44:03PM

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 (2340025-BLK1)

Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.564		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			

LCS (2340025-BS2)

Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.569		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.548		0.500		110	70-130			

Matrix Spike (2340025-MS2)

Source: E310005-07

Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	55.2	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	0.571		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			

Matrix Spike Dup (2340025-MSD2)

Source: E310005-07

Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130	3.49	20	
Surrogate: Bromofluorobenzene	0.579		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.456		0.500		91.1	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2023 4:44:03PM

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 (2340035-BLK1)

Prepared: 10/03/23 Analyzed: 10/03/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.2		50.0		94.4	50-200			

LCS (2340035-BS1)

Prepared: 10/03/23 Analyzed: 10/03/23

Diesel Range Organics (C10-C28)	233	25.0	250		93.3	38-132			
Surrogate: n-Nonane	44.1		50.0		88.1	50-200			

Matrix Spike (2340035-MS1)

Source: E310005-14

Prepared: 10/03/23 Analyzed: 10/03/23

Diesel Range Organics (C10-C28)	232	25.0	250	ND	93.0	38-132			
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			

Matrix Spike Dup (2340035-MSD1)

Source: E310005-14

Prepared: 10/03/23 Analyzed: 10/03/23

Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.6	38-132	2.58	20	
Surrogate: n-Nonane	41.9		50.0		83.9	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State #3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/4/2023 4:44:03PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2340028-BLK1)					Prepared: 10/02/23 Analyzed: 10/03/23				
Chloride	ND	20.0							
LCS (2340028-BS1)					Prepared: 10/02/23 Analyzed: 10/03/23				
Chloride	235	20.0	250		94.0	90-110			
Matrix Spike (2340028-MS1)					Source: E310005-01		Prepared: 10/02/23 Analyzed: 10/03/23		
Chloride	245	20.0	250	ND	98.1	80-120			
Matrix Spike Dup (2340028-MSD1)					Source: E310005-01		Prepared: 10/02/23 Analyzed: 10/03/23		
Chloride	244	20.0	250	ND	97.6	80-120	0.481	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:	Chimayo 16 State #3	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/04/23 16:44

- 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 5 of 6

Client: Pima Environmental Services Project: <u>Chimayo 16 State #3</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: <u>Ray Baw</u> Address: City, State, Zip Phone: Email: Pima Project # <u>26-6</u>					Lab Use Only Lab WO# <u>E31005</u> Job Number <u>21004.001</u> Analysis and Method					TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard				EPA Program CWA SDWA RCRA	
										State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
2:00	9/29	5	1	CS41	1							X								
2:05				CS42	2															
2:10				CS43	3															
2:25				CS44	4															
2:30				CS45	5															
2:45				CS46	6															
2:49				CS47	7															
2:50				CS48	8															
2:52				CS49	9															
2:59				CSW1	10															
Additional Instructions: <u>Billing # to Pima Environmental</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>Marine Adame</u> Date <u>10/2/23</u> Time <u>8:00</u> Received by: (Signature) <u>Michelle Kaye</u> Date <u>10/2/23</u> Time <u>1500</u>																				
Relinquished by: (Signature) <u>Michelle Kaye</u> Date <u>10-2-23</u> Time <u>1815</u> Received by: (Signature) <u>Andrew McBo</u> Date <u>10-2-23</u> Time <u>1815</u>																				
Relinquished by: (Signature) <u>Andrew McBo</u> Date <u>10-2-23</u> Time <u>2400</u> Received by: (Signature) <u>Kyphorn R. Hill</u> Date <u>10/3/23</u> Time <u>615</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

Project Information

Chain of Custody

Page 6 of 6

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT			EPA Program					
Project: <u>Chimayo 116 State #3</u>					Attention: <u>Ray Baw</u>		Lab WO# <u>E 310005</u>		Job Number <u>210640001</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: <u>Tom Bynum</u>					Address:		Analysis and Method									RCRA	
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip		DRO/DRO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0
City, State, Zip <u>Hobbs, NM. 88240</u>					Phone:												
Phone: <u>580-748-1613</u>					Email:												
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>26-6</u>												
Report due by:																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	State											
						NM CO UT AZ TX											
						Remarks											
3:00	9/29	S	1	CSW2	11												
3:05				CSW3	12												
3:06				CSW4	13												
3:11				CSW5	14												
Billing # to Pima Environmental																	
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:																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
<u>Marime Adame</u>		10/2/23	3:00	<u>Michelle Cuy</u>		10-2-23	1500	Received on ice: <u>Y</u> / N									
<u>Michelle Cuy</u>		10-2-23	1815	<u>Andrew mello</u>		10-2-23	1815	T1 _____ T2 _____ T3 _____									
<u>Andrew mello</u>		10-2-23	2400	<u>Kyle R. Hall</u>		10/3/23	615	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: 10/3/2023 10:42:28AM

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:	10/03/23 06:15	Work Order ID:	E310005
Phone:	(575) 631-6977	Date Logged In:	10/03/23 16:33	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	10/03/23 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Proeject Chimayo 16 State #3 has been separated into 3 reports due to high sample volume.
Workorders are as follows:
E310003/E310004/E310005.

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: Chimayo 16 State 3

Work Order: E310037

Job Number: 21064-0001

Received: 10/6/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/10/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/10/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Chimayo 16 State 3
Workorder: E310037
Date Received: 10/6/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/6/2023 8:15:00AM, under the Project Name: Chimayo 16 State 3.

The analytical test results summarized in this report with the Project Name: Chimayo 16 State 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
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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State 3	Reported: 10/10/23 13:19
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
EST - 1	E310037-01A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.
EST - 2	E310037-02A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.
EST - 3	E310037-03A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.
EST - 4	E310037-04A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.
EST - 5	E310037-05A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.
EST - 6	E310037-06A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.
EST - 7	E310037-07A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.
EST - 8	E310037-08A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.
EST - 9	E310037-09A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.
EST - 10	E310037-10A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.
EST - 11	E310037-11A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.
EST - 12	E310037-12A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.
EST - 13	E310037-13A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.
EST - 14	E310037-14A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.
EST - 15	E310037-15A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.
EST - 16	E310037-16A	Soil	10/02/23	10/06/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST - 1

E310037-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340106	
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.0 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2340095	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/06/23	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		10/06/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340104	
Chloride	53.2	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST - 2

E310037-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340106	
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.2 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2340095	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/06/23	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		10/06/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340104	
Chloride	50.3	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST - 3

E310037-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2340106	
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.6 %	70-130	10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2340106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.0 %	70-130	10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2340095	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/06/23	
<i>Surrogate: n-Nonane</i>		110 %	50-200	10/06/23	10/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2340104	
Chloride	59.4	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST - 4

E310037-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340106	
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.8 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2340095	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340104	
Chloride	57.9	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST - 5

E310037-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340106	
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2340095	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340104	
Chloride	58.8	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST - 6

E310037-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.8 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340095
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340104
Chloride	62.8	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST - 7

E310037-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340095
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340104
Chloride	53.5	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST - 8

E310037-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340106	
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2340095	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340104	
Chloride	61.8	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST - 9

E310037-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340106	
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2340095	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340104	
Chloride	57.1	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST - 10

E310037-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340095
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340104
Chloride	60.4	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST - 11

E310037-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.5 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340095
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340104
Chloride	21.7	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST - 12

E310037-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340095
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340104
Chloride	58.3	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST - 13

E310037-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.8 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340095
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340104
Chloride	34.1	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST - 14

E310037-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340095
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340104
Chloride	25.8	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST - 15

E310037-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.7 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340095
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340104
Chloride	58.7	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:19:43PM

EST -16

E310037-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Benzene	ND	0.0250	1	10/06/23	10/07/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/07/23	
Toluene	ND	0.0250	1	10/06/23	10/07/23	
o-Xylene	ND	0.0250	1	10/06/23	10/07/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/07/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340106
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340095
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340104
Chloride	43.5	20.0	1	10/06/23	10/07/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State 3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/10/2023 1:19:43PM

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 (2340106-BLK1)

Prepared: 10/06/23 Analyzed: 10/06/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.27		8.00		90.8	70-130			

LCS (2340106-BS1)

Prepared: 10/06/23 Analyzed: 10/06/23

Benzene	4.58	0.0250	5.00		91.7	70-130			
Ethylbenzene	4.45	0.0250	5.00		89.0	70-130			
Toluene	4.61	0.0250	5.00		92.2	70-130			
o-Xylene	4.60	0.0250	5.00		91.9	70-130			
p,m-Xylene	9.23	0.0500	10.0		92.3	70-130			
Total Xylenes	13.8	0.0250	15.0		92.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4	70-130			

Matrix Spike (2340106-MS1)

Source: E310037-01

Prepared: 10/06/23 Analyzed: 10/06/23

Benzene	4.49	0.0250	5.00	ND	89.9	54-133			
Ethylbenzene	4.36	0.0250	5.00	ND	87.2	61-133			
Toluene	4.52	0.0250	5.00	ND	90.4	61-130			
o-Xylene	4.51	0.0250	5.00	ND	90.3	63-131			
p,m-Xylene	9.05	0.0500	10.0	ND	90.5	63-131			
Total Xylenes	13.6	0.0250	15.0	ND	90.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			

Matrix Spike Dup (2340106-MSD1)

Source: E310037-01

Prepared: 10/06/23 Analyzed: 10/06/23

Benzene	4.89	0.0250	5.00	ND	97.9	54-133	8.51	20	
Ethylbenzene	4.72	0.0250	5.00	ND	94.4	61-133	7.95	20	
Toluene	4.91	0.0250	5.00	ND	98.2	61-130	8.20	20	
o-Xylene	4.90	0.0250	5.00	ND	98.0	63-131	8.23	20	
p,m-Xylene	9.78	0.0500	10.0	ND	97.8	63-131	7.83	20	
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131	7.96	20	
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State 3	Reported: 10/10/2023 1:19:43PM
PO Box 247	Project Number:	21064-0001	
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 (2340106-BLK1) Prepared: 10/06/23 Analyzed: 10/06/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.7	70-130			

LCS (2340106-BS2) Prepared: 10/06/23 Analyzed: 10/06/23

Gasoline Range Organics (C6-C10)	43.0	20.0	50.0		86.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		8.00		87.9	70-130			

Matrix Spike (2340106-MS2) Source: E310037-01 Prepared: 10/06/23 Analyzed: 10/06/23

Gasoline Range Organics (C6-C10)	39.8	20.0	50.0	ND	79.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		8.00		87.5	70-130			

Matrix Spike Dup (2340106-MSD2) Source: E310037-01 Prepared: 10/06/23 Analyzed: 10/06/23

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	ND	92.3	70-130	14.6	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.99		8.00		87.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State 3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/10/2023 1:19:43PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340095-BLK1)

Prepared: 10/06/23 Analyzed: 10/06/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.1		50.0		106	50-200			

LCS (2340095-BS1)

Prepared: 10/06/23 Analyzed: 10/06/23

Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132			
Surrogate: n-Nonane	55.4		50.0		111	50-200			

Matrix Spike (2340095-MS1)

Source: E310037-06

Prepared: 10/06/23 Analyzed: 10/06/23

Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	56.9		50.0		114	50-200			

Matrix Spike Dup (2340095-MSD1)

Source: E310037-06

Prepared: 10/06/23 Analyzed: 10/06/23

Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132	4.39	20	
Surrogate: n-Nonane	54.1		50.0		108	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State 3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/10/2023 1:19:43PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2340104-BLK1)					Prepared: 10/06/23 Analyzed: 10/07/23				
Chloride	ND	20.0							
LCS (2340104-BS1)					Prepared: 10/06/23 Analyzed: 10/07/23				
Chloride	245	20.0	250		98.1	90-110			
Matrix Spike (2340104-MS1)					Source: E310037-01		Prepared: 10/06/23 Analyzed: 10/07/23		
Chloride	310	20.0	250	53.2	103	80-120			
Matrix Spike Dup (2340104-MSD1)					Source: E310037-01		Prepared: 10/06/23 Analyzed: 10/07/23		
Chloride	307	20.0	250	53.2	102	80-120	0.930	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:	Chimayo 16 State 3	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/10/23 13:19

- 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 2

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>Chimayo 16 State 3</u>					Attention: <u>Pima</u>		Lab WO# <u>E310037</u>		Job Number <u>21064-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip: Hobbs, NM, 88240					Phone:											
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # <u>26-6 Raybow</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks		
1:45pm	10/2/23	S	1	EST-1	1							X				
1:50				EST-2	2											
2:00				EST-3	3											
2:08				EST-4	4											
2:12				EST-5	5											
2:20				EST-6	6											
2:30				EST-7	7											
2:36				EST-8	8											
2:41				EST-9	9											
2:48				EST-10	10											
Additional Instructions: <u>Bill to Pima</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>Andri Benavidez</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)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Karine Adams</u>		<u>10/4/23</u>	<u>3:00</u>	<u>Michelle Guffy</u>		<u>10-4-23</u>	<u>1500</u>	Received on ice: <u>Y</u> N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3								
<u>Michelle Guffy</u>		<u>10-5-23</u>	<u>1630</u>	<u>Andrew Musso</u>		<u>10-5-23</u>	<u>1930</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C								
<u>Andrew Musso</u>		<u>10-6-23</u>	<u>0130</u>	<u>Cecilia Man</u>		<u>10-6-23</u>	<u>8:15</u>	<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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Project Information

Chain of Custody

Page 2 of 2

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>Chimayo 116 State 3</u>					Attention: <u>Pima</u>		Lab WO# <u>E310037</u>		Job Number <u>21064-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip: Hobbs, NM, 88240					Phone:											
Phone: 580-748-1613					Email:										State	
Email: tom@pimaoil.com					Pima Project # <u>26-6 Rayban</u>										NM CO UT AZ TX	
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	Remarks	
3:00	10/4/23	S	1	EST-11	11								X			
3:04				EST-12	12											
3:15				EST-13	13											
3:25				EST-14	14											
3:31				EST-15	15											
3:40				EST-16	16											
Additional Instructions: <u>Bill to Pima</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)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Karime Adams</u>		10/4/23	3:00	<u>Michelle Cough</u>		10-4-23	1500	Received on ice: <u>Y</u> / N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____								
<u>Michelle Cough</u>		10-5-23	1630	<u>Andrew Messo</u>		10-5-23	1930									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>								
<u>Andrew Messo</u>		10-6-23	0130	<u>Cate M</u>		10-6-23	8:15									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - 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: 10/9/2023 12:01:03PM

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:	10/06/23 08:15	Work Order ID:	E310037
Phone:	(575) 631-6977	Date Logged In:	10/05/23 16:11	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	10/12/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Chimayo 16 State 3

Work Order: E310038

Job Number: 21064-0001

Received: 10/6/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/10/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/10/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Chimayo 16 State 3
Workorder: E310038
Date Received: 10/6/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/6/2023 8:15:00AM, under the Project Name: Chimayo 16 State 3.

The analytical test results summarized in this report with the Project Name: Chimayo 16 State 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

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ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State 3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/10/23 13:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
WST-1	E310038-01A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
WST-2	E310038-02A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
WST-3	E310038-03A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
WST-4	E310038-04A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
WST-5	E310038-05A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
WST-6	E310038-06A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
WST-7	E310038-07A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
WST-8	E310038-08A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
WST-9	E310038-09A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
WST-10	E310038-10A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
WST-11	E310038-11A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
NST-1	E310038-12A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
NST-2	E310038-13A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
NST-3	E310038-14A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
NST-4	E310038-15A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
NST-5	E310038-16A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
NST-6	E310038-17A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
NST-7	E310038-18A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.
NST-8	E310038-19A	Soil	10/03/23	10/06/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

WST-1

E310038-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2340097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/06/23	
<i>Surrogate: n-Nonane</i>						
	94.6 %	50-200		10/06/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340103	
Chloride	57.9	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

WST-2

E310038-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2340097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/06/23	
<i>Surrogate: n-Nonane</i>						
	97.8 %	50-200		10/06/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340103	
Chloride	65.3	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

WST-3

E310038-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.1 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340097
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/06/23	
<i>Surrogate: n-Nonane</i>						
	90.4 %	50-200		10/06/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340103
Chloride	30.7	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

WST-4

E310038-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340097
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/06/23	
<i>Surrogate: n-Nonane</i>						
	95.1 %	50-200		10/06/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340103
Chloride	35.8	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

WST-5

E310038-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340097
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/06/23	
<i>Surrogate: n-Nonane</i>						
	94.0 %	50-200		10/06/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340103
Chloride	20.3	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

WST-6

E310038-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2340097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/06/23	
<i>Surrogate: n-Nonane</i>						
	96.4 %	50-200		10/06/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340103	
Chloride	21.7	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

WST-7

E310038-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340097
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/06/23	
<i>Surrogate: n-Nonane</i>						
	98.0 %	50-200		10/06/23	10/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340103
Chloride	39.0	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

WST-8

E310038-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2340097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	99.4 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340103	
Chloride	63.9	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

WST-9

E310038-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2340097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	93.3 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340103	
Chloride	57.3	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

WST-10

E310038-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.9 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340097
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	93.6 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340103
Chloride	ND	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

WST-11

E310038-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Benzene	ND	0.0250	1	10/06/23	10/06/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/06/23	
Toluene	ND	0.0250	1	10/06/23	10/06/23	
o-Xylene	ND	0.0250	1	10/06/23	10/06/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/06/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		10/06/23	10/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340097
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	94.0 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340103
Chloride	27.1	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

NST-1

E310038-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Benzene	ND	0.0250	1	10/06/23	10/07/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/07/23	
Toluene	ND	0.0250	1	10/06/23	10/07/23	
o-Xylene	ND	0.0250	1	10/06/23	10/07/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/07/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2340097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	90.4 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340103	
Chloride	53.3	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

NST-2

E310038-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Benzene	ND	0.0250	1	10/06/23	10/07/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/07/23	
Toluene	ND	0.0250	1	10/06/23	10/07/23	
o-Xylene	ND	0.0250	1	10/06/23	10/07/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/07/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.9 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2340097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	88.0 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340103	
Chloride	39.2	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

NST-3

E310038-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Benzene	ND	0.0250	1	10/06/23	10/07/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/07/23	
Toluene	ND	0.0250	1	10/06/23	10/07/23	
o-Xylene	ND	0.0250	1	10/06/23	10/07/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/07/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.4 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.0 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2340097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>	94.3 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2340103	
Chloride	40.4	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

NST-4

E310038-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Benzene	ND	0.0250	1	10/06/23	10/07/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/07/23	
Toluene	ND	0.0250	1	10/06/23	10/07/23	
o-Xylene	ND	0.0250	1	10/06/23	10/07/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/07/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340097
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	92.6 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340103
Chloride	43.5	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

NST-5

E310038-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Benzene	ND	0.0250	1	10/06/23	10/07/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/07/23	
Toluene	ND	0.0250	1	10/06/23	10/07/23	
o-Xylene	ND	0.0250	1	10/06/23	10/07/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/07/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340097
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	93.1 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340103
Chloride	63.7	20.0	1	10/06/23	10/07/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

NST-6

E310038-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Benzene	ND	0.0250	1	10/06/23	10/07/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/07/23	
Toluene	ND	0.0250	1	10/06/23	10/07/23	
o-Xylene	ND	0.0250	1	10/06/23	10/07/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/07/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340097
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	93.9 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340103
Chloride	49.3	20.0	1	10/06/23	10/08/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

NST-7

E310038-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Benzene	ND	0.0250	1	10/06/23	10/07/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/07/23	
Toluene	ND	0.0250	1	10/06/23	10/07/23	
o-Xylene	ND	0.0250	1	10/06/23	10/07/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/07/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340107
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2340097
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	89.4 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2340103
Chloride	36.8	20.0	1	10/06/23	10/08/23	



Sample Data

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

Project Name: Chimayo 16 State 3
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
10/10/2023 1:31:50PM

NST-8

E310038-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Benzene	ND	0.0250	1	10/06/23	10/07/23	
Ethylbenzene	ND	0.0250	1	10/06/23	10/07/23	
Toluene	ND	0.0250	1	10/06/23	10/07/23	
o-Xylene	ND	0.0250	1	10/06/23	10/07/23	
p,m-Xylene	ND	0.0500	1	10/06/23	10/07/23	
Total Xylenes	ND	0.0250	1	10/06/23	10/07/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340107	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/23	10/07/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.2 %	70-130		10/06/23	10/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2340097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/23	10/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/23	10/07/23	
<i>Surrogate: n-Nonane</i>						
	92.5 %	50-200		10/06/23	10/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340103	
Chloride	87.3	20.0	1	10/06/23	10/08/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State 3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/10/2023 1:31:50PM

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 (2340107-BLK1)

Prepared: 10/06/23 Analyzed: 10/06/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.2	70-130			

LCS (2340107-BS1)

Prepared: 10/06/23 Analyzed: 10/06/23

Benzene	4.33	0.0250	5.00		86.6	70-130			
Ethylbenzene	4.29	0.0250	5.00		85.9	70-130			
Toluene	4.33	0.0250	5.00		86.7	70-130			
o-Xylene	4.33	0.0250	5.00		86.6	70-130			
p,m-Xylene	8.76	0.0500	10.0		87.6	70-130			
Total Xylenes	13.1	0.0250	15.0		87.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			

Matrix Spike (2340107-MS1)

Source: E310038-02

Prepared: 10/06/23 Analyzed: 10/06/23

Benzene	4.53	0.0250	5.00	ND	90.5	54-133			
Ethylbenzene	4.47	0.0250	5.00	ND	89.5	61-133			
Toluene	4.52	0.0250	5.00	ND	90.4	61-130			
o-Xylene	4.53	0.0250	5.00	ND	90.6	63-131			
p,m-Xylene	9.16	0.0500	10.0	ND	91.6	63-131			
Total Xylenes	13.7	0.0250	15.0	ND	91.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.3	70-130			

Matrix Spike Dup (2340107-MSD1)

Source: E310038-02

Prepared: 10/06/23 Analyzed: 10/06/23

Benzene	4.48	0.0250	5.00	ND	89.6	54-133	1.02	20	
Ethylbenzene	4.45	0.0250	5.00	ND	88.9	61-133	0.629	20	
Toluene	4.48	0.0250	5.00	ND	89.6	61-130	0.872	20	
o-Xylene	4.50	0.0250	5.00	ND	90.1	63-131	0.612	20	
p,m-Xylene	9.10	0.0500	10.0	ND	91.0	63-131	0.657	20	
Total Xylenes	13.6	0.0250	15.0	ND	90.7	63-131	0.642	20	
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State 3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/10/2023 1:31:50PM

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 (2340107-BLK1)

Prepared: 10/06/23 Analyzed: 10/06/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		92.9	70-130			

LCS (2340107-BS2)

Prepared: 10/06/23 Analyzed: 10/06/23

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0		96.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

Matrix Spike (2340107-MS2)

Source: E310038-02

Prepared: 10/06/23 Analyzed: 10/06/23

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.6	70-130			

Matrix Spike Dup (2340107-MSD2)

Source: E310038-02

Prepared: 10/06/23 Analyzed: 10/06/23

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.7	70-130	0.604	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State 3	Reported: 10/10/2023 1:31:50PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340097-BLK1)					Prepared: 10/06/23 Analyzed: 10/06/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.3		50.0		105	50-200			

LCS (2340097-BS1)					Prepared: 10/06/23 Analyzed: 10/06/23				
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	50.9		50.0		102	50-200			

Matrix Spike (2340097-MS1)					Source: E310038-07		Prepared: 10/06/23 Analyzed: 10/06/23		
Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	48.8		50.0		97.6	50-200			

Matrix Spike Dup (2340097-MSD1)					Source: E310038-07		Prepared: 10/06/23 Analyzed: 10/06/23		
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	0.844	20	
Surrogate: n-Nonane	49.8		50.0		99.6	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Chimayo 16 State 3	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/10/2023 1:31:50PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2340103-BLK1)					Prepared: 10/06/23 Analyzed: 10/07/23				
Chloride	ND	20.0							
LCS (2340103-BS1)					Prepared: 10/06/23 Analyzed: 10/07/23				
Chloride	244	20.0	250		97.6	90-110			
Matrix Spike (2340103-MS1)					Source: E310038-01		Prepared: 10/06/23 Analyzed: 10/07/23		
Chloride	303	20.0	250	57.9	98.2	80-120			
Matrix Spike Dup (2340103-MSD1)					Source: E310038-01		Prepared: 10/06/23 Analyzed: 10/07/23		
Chloride	311	20.0	250	57.9	101	80-120	2.31	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:	Chimayo 16 State 3	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/10/23 13:31

- 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 2

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program					
Project: <u>Chimayo 16 State 3</u>					Attention: <u>Pima</u>					Lab WO# <u>E310038</u>					Job Number <u>21064-0001</u>				1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:					Analysis and Method														
Address: 5614 N. Lovington Hwy.					City, State, Zip														RCRA					
City, State, Zip: Hobbs, NM, 88240					Phone:																			
Phone: 580-748-1613					Email:																			
Email: tom@pimaoil.com					Pima Project # <u>26-6 Rayban</u>																			
Report due by:																								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BDOC NM	BDOC TX			State						
																		NM	CO					
																		UT	AZ					
																		TX						
Remarks																								
10:20	10/3/23	S	1	WST-1	1									X										
10:27				WST-2	2																			
10:40				WST-3	3																			
10:45				WST-4	4																			
10:54				WST-5	5																			
11:00				WST-6	6																			
11:06				WST-7	7																			
11:13				WST-8	8																			
11:25				WST-9	9																			
11:30				WST-10	10																			
Additional Instructions: <u>Bill to Pima</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>Karime Adams</u>					Date <u>10/4/23</u> Time <u>3:00</u>					Received by: (Signature) <u>Michelle Cuyf</u>					Date <u>10-4-23</u> Time <u>8:50</u>									
Relinquished by: (Signature) <u>Michelle Cuyf</u>					Date <u>10-5-23</u> Time <u>1630</u>					Received by: (Signature) <u>Andrew M</u>					Date <u>10-5-23</u> Time <u>1930</u>									
Relinquished by: (Signature) <u>Andrew M</u>					Date <u>10-6-23</u> Time <u>0130</u>					Received by: (Signature) <u>Carla Man</u>					Date <u>10-6-23</u> Time <u>8:15</u>									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																								

Project Information

Chain of Custody

Page 2 of 2

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>Chimayo 16 State 3</u>					Attention: <u>Pima</u>		Lab WO# <u>E310038</u>		Job Number <u>21064-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip: Hobbs, NM, 88240					Phone:											
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # <u>26-6 Rayban</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX	Remarks
11:38	10/5/23	S	1	WST-11	11									X		
12:45				NST-1	12											
12:50				NST-2	13											
1:02				NST-3	14											
1:08				NST-4	15											
1:13				NST-5	16											
1:20				NST-6	17											
1:25				NST-7	18											
1:35				NST-8	19											
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.					
Sampled by: <u>Andri Benavidez</u>																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Varine Adame</u>		10/4/23	3:00	<u>Michelle Cuyf</u>		10-4-23	1500	Received on ice: <u>Y</u> N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3								
<u>Michelle Cuyf</u>		10-5-23	1630	<u>Andrew Mello</u>		10-5-23	1930									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>								
<u>Andrew Mello</u>		10-6-23	0130	<u>Carla Mello</u>		10-6-23	8:15									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other											Container Type: <u>g</u> - 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

Envirotech Analytical Laboratory

Printed: 10/6/2023 2:49:17PM

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:	10/06/23 08:15	Work Order ID:	E310038
Phone:	(575) 631-6977	Date Logged In:	10/05/23 16:13	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	10/11/23 17:00 (3 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

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

CONDITIONS

Action 283742

CONDITIONS

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID: 330220
	Action Number: 283742
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Closure approved. Site will need to meet the requirements of 19.15.29.13 NMAC.	11/30/2023