

January 12, 2024

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Deferral Request Florence State 23 TB Incident Number nAPP2313769629 Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Deferral Request* to document excavation and soil sampling activities performed at the Florence State 23 TB (Site). The purpose of the excavation and soil sampling activities was to address impacts to soil following a release of produced water and crude oil onto the well pad. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Deferral Request*, describing Site assessment and excavation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2313769629 until the Site is reconstructed and/or the well pad is abandoned and reclaimed.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit L, Section 23, Township 23 South, Range 34 East, in Lea County, New Mexico (32.284657°, -103.443006°) and is associated with oil and gas exploration and production operations on State Trust Land managed by the New Mexico State Land Office (NMSLO).

On May 17, 2023, the vapor recovery unit (VRU) went down and caused an increase in pressure on all three vertical heater treaters. A gasket on one of the heater treaters is believed to have started to leak due to the increase in pressure, which caused gas to enter the burner and ignite a fire. The fire consumed the unit resulting in the release of approximately 10 barrels (bbls) of produced water and 30 bbls of crude oil on to the pad. Free-standing fluid was not able to be recovered. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on May 17, 2023, and submitted a Release Notification Form C-141 (Form C-141) on March 18, 2023. The release was assigned Incident Number nAPP2313769629. The Form C-141 is included in Appendix A.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well CP-1977 POD 1 with a depth to water measurement of greater than 55 feet below ground surface (bgs). The well is located 0.33 miles west of the Site and the most recent

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, NM 88220 | ensolum.com Matador Production Company Florence State 23 TB Deferral Request

documented water level measurement was collected on September 8, 2023. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well records are included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 0.67 miles southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Potential site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

On June 5 and 6, 2023, Ensolum personnel were onsite to begin delineation sampling of the on-pad spill area. Delineation soil samples SS01 through SS04 were collected at 0.5 feet bgs to verify the lateral extent of the spill area. Two pothole samples, PH01 and PH02, were advanced via backhoe to a depth of 12 feet and 5 feet bgs, respectively, to verify the vertical extent of the spill area. Since the release remained on pad, an assessment of cultural properties had already been completed prior to the construction of the well pad and as such, the Cultural Properties Protection Rule (CPP) has been followed. No additional cultural resource surveys were completed in connection with this release.

Samples were field screened for chloride utilizing a calibrated Hach® chloride QuanTab® test strips and MOHR method titration. The potholes and delineation soil sample locations are depicted on Figure 2. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Appendix C. A photographic log including delineation and excavation activities can be reviewed in Appendix D.

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech Laboratory Analysis (Envirotech) in Farmington, New Mexico, for analysis of the following constituents of concern (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Beginning on October 24, 2023, Ensolum personnel returned to the Site to complete excavation of the accessible spill area. Excavation of the spill area was completed with a backhoe, skid steer, and hand tools to a depth of 0.5 feet bgs. Following removal of soil, Ensolum personnel collected 24, 5-point composite soil samples representing up to 200 square feet from the floor. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag



Matador Production Company Florence State 23 TB Deferral Request

and homogenizing the samples by thoroughly mixing. The excavation soil samples were handled and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

Ensolum personnel completed two additional potholes, PH03 (in the vicinity of PH01) and PH04, with a backhoe inside the spill area to verify the vertical extent of the spill area and two boreholes (BH01 and BH02) via hand auger within the area of requested deferral.

Ensolum personnel returned to the Site on December 19 and 20, 2023 with an Atkins Split Spoon sampling drill to complete delineation activities. Pothole PH01 was advanced to a depth of 50 feet bgs to obtain a sample that met the strictest Closure Criteria following NMOCD Table I Closure Criteria. Delineation soil samples SS05 and SS06 were collected at 0.5 ft bgs to further define the lateral extent on the south side of the process piping.

The final excavation extent measured approximately 4,736 square feet. A total of approximately 140 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and disposed of at the R360 Landfill Disposal Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples SS01 through SS06, collected at 0.5 feet bgs, were all in compliance with the strictest Closure Criteria per NMOCD Table I. Laboratory analytical results for vertical delineation samples PH01 and PH02 were below the Closure Criteria for the Site; however, PH01 exceeded the strictest Closure Criteria at 12 feet bgs.

Laboratory analytical results for vertical delineation potholes PH03 and PH04 were in compliance with the Site Closure Criteria; however, PH03 located in the vicinity of PH01, exceeded the strictest Closure Criteria at 9.75 feet bgs. Two boreholes BH01 and BH02 were advanced via hand auger to a depth of 1-foot and 2 feet bgs, respectively, and all soil samples collected were in compliance with the Site Closure Criteria with vertical delineation to the strictest Closure Criteria achieved in BH01 at 1-foot bgs.

Laboratory analytical results for all confirmation soil samples collected at 0.5 feet bgs were in compliance with the Site Closure Criteria. The laboratory analytical results are summarized in Tables 1 and 2 and the complete laboratory analytical reports are included in Appendix E. All sampling notifications to NMOCD and additional correspondences are included in Appendix F.

DEFERRAL REQUEST

Matador is requesting deferral of final remediation due to the presence of active production equipment and process piping preventing full excavation of impacted soil. The estimated area of remaining impacted soil measures approximately 4,736 square feet, and assuming a depth of 1-foot based on the analytical results from delineation boreholes BH01 and BH02, a total of approximately 191 cubic yards of impacted soil remains in place. The deferral area and delineation soil samples are depicted on Figure 4. The impacted soil is limited to the area beneath active production equipment and surface piping, where remediation would require a major facility deconstruction. The release extent has been laterally delineated by delineation soil samples SS01 through SS06 at 0.5 feet bgs and vertically delineated to the strictest Closure Criteria by pothole samples PH01, PH02, and PH04 at 44 feet, 1-foot, and 4 feet bgs respectively.

Matador does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 55 feet, and the entirety of the



Matador Production Company Florence State 23 TB Deferral Request

release remained on pad. Any gross impacts were removed via scraping of the surface soils. Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, Matador requests deferral of final remediation for Incident Number nAPP2313769629 until final reclamation of the well pad or major construction, whichever comes first.

The release remained on the well pad that is currently in operation for oil and gas production purposes. As such, the release area is not expected to be reclaimed until the oil and gas well is plugged and abandoned (P&A'd) and the well pad is reclaimed. The Reclamation Plan for this release will default to the NMSLO-approved Reclamation Plan for the well pad per 19.2.100.67 NMAC.

If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or agiovengo@ensolum.com.

Sincerely,

Ensolum, LLC

Ashley Giovengo

Senior Engineer

Daniel R. Moir, PG

Senior Managing Geologist

cc: Clinton Talley, Matador Production Company

State Land Office

Appendices:

Figure 1	Site Receptor Map
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Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations

Figure 4 Deferral Area

Table 1 Delineation Soil Sample Analytical Results
Table 2 Excavation Soil Sample Analytical Results

Appendix A Form C-141
Appendix B Referenced Wells
Appendix C Photographic Log

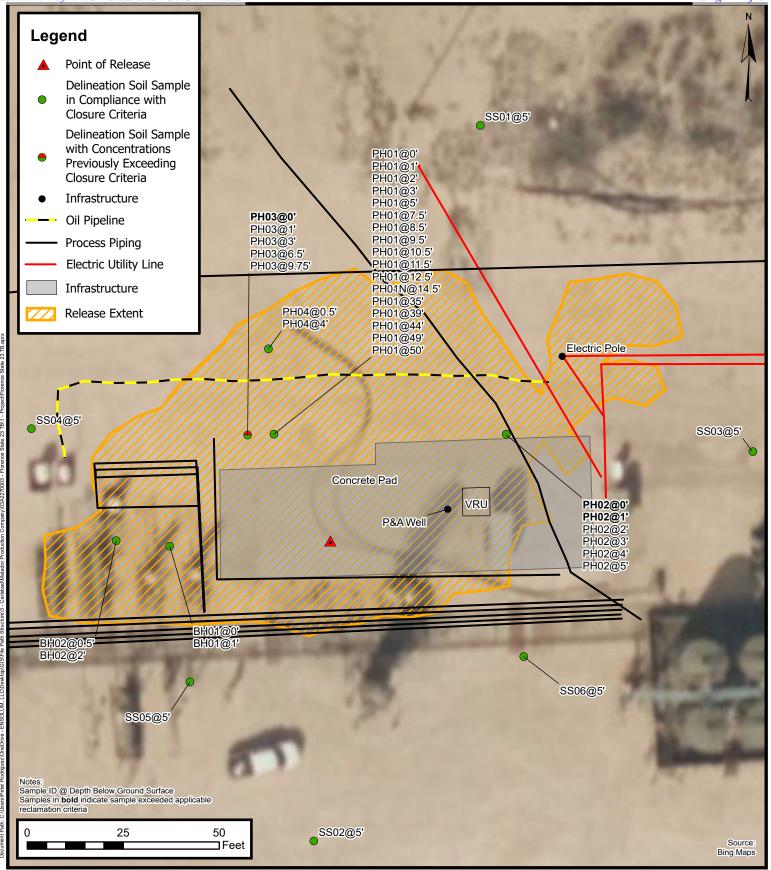
Appendix D Lithologic Soil Sampling Logs

Appendix E Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix F NMOCD Email Correspondence



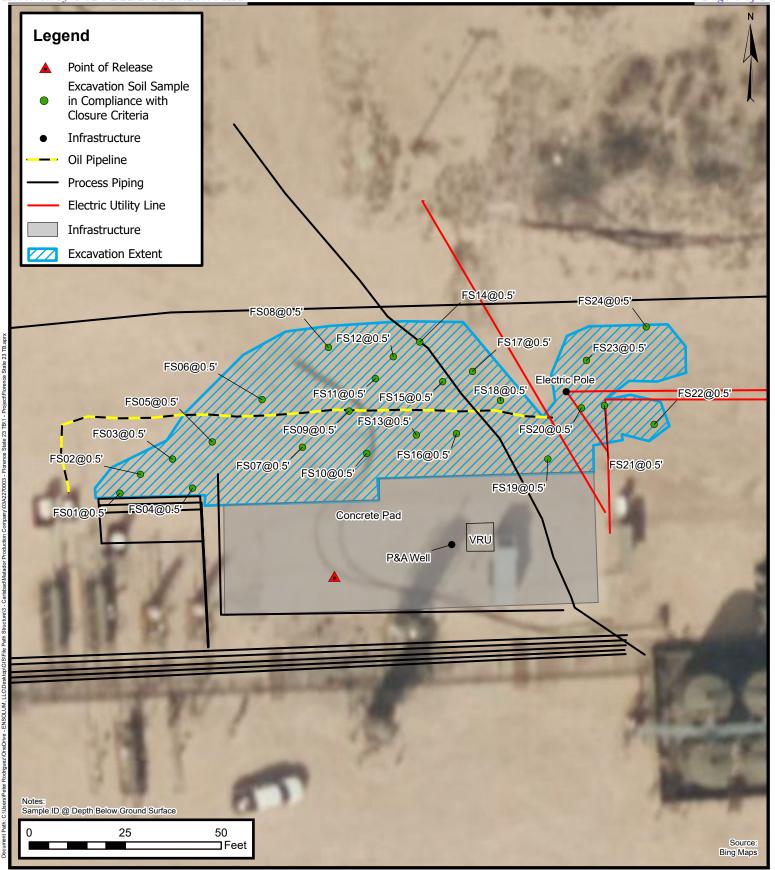
FIGURES





Delineation Soil Sample Locations

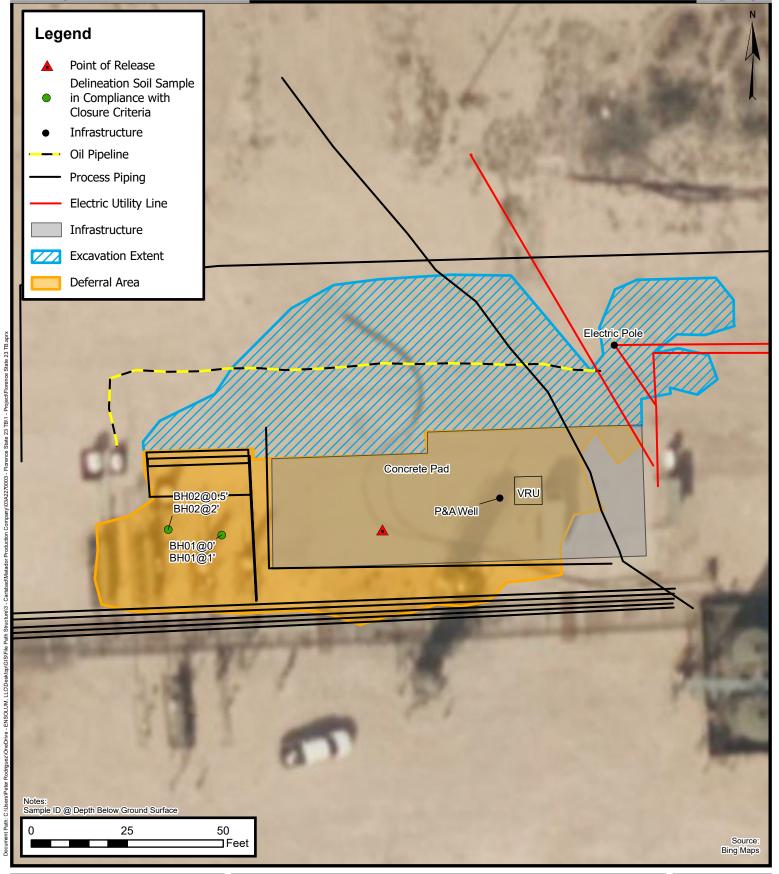
Matador Production Company Florence State 23 TB Incident Number: NAPP2313769629 Unit L, Sec 23, T23S R34E Lea County, New Mexico FIGURE 2





Excavation Soil Sample Locations

Matador Production Company Florence State 23 TB Incident Number: NAPP2313769629 Unit L, Sec 23, T23S R34E Lea County, New Mexico FIGURE 3





Area of Requested Deferral

Matador Production Company Florence State 23 TB Incident Number: NAPP2313769629 Unit L, Sec 23, T23S R34E Lea County, New Mexico FIGURE 4



TABLES



TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

Florence State 23 TB
Matador Production Company
Lea County, New Mexico

	Lea County, New Mexico									
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
				Delin	eation Soil Sar	nples				
SS01	6/5/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	56.8
SS02	6/5/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	187
SS03	6/5/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	ND
SS04	6/5/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	246
SS05	12/19/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	62.9
SS06	12/19/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	55.7
PH01	6/6/2023	0	<0.025	< 0.025	<20.0	322	239	322	561	1.390
PH01	6/6/2023	1	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	2,990
PH01	6/6/2023	2	<0.025	<0.025	<20.0	52.4	<50.0	52	52	3,040
PH01	6/6/2023	3	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,960
PH01	6/6/2023	5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,030
PH01	6/6/2023	7.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,310
PH01	6/6/2023	8.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	995
PH01	6/6/2023	9.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,140
PH01	6/6/2023	10.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	921
PH01	6/6/2023	11.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	759
PH01	6/6/2023	12.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	720
PH01N	11/7/2023	14.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	930
PH01	11/20/2023	35	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,100
PH01	11/20/2023	39	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	770
PH01	11/20/2023	44	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	308
PH01	11/20/2023	49	<0.025	<0.025	<20.0	75.6	<50.0	75.6	75.6	277
PH01	11/20/2023	50	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	216
PH02	6/6/2023	0	< 0.025	< 0.025	<20.0	131	211.0	131	342	2,570
PH02	6/6/2023	1	<0.025	<0.025	<20.0	133	380.0	133	513	254
PH02	6/6/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	320
PH02	6/6/2023	3	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	235
PH02	6/6/2023	4	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	246
PH02	6/6/2023	5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	345



TABLE 1 - CONT'D

SOIL SAMPLE ANALYTICAL RESULTS

Florence State 23 TB
Matador Production Company
Lea County, New Mexico

Sample		Depth	Benzene	Total BTEX	TPH GRO	TPH DRO	TPH ORO	GRO+DRO	Total TPH	Chloride
Designation	Date	(feet bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
				Delir	eation Soil San	nples				
PH03	10/24/2023	0	< 0.025	< 0.025	<20.0	66	90.7	66	156.7	39,100
PH03	10/24/2023	1	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	2,480
PH03	10/24/2023	3	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,880
PH03	10/26/2023	6	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	719
PH03	10/26/2023	9.75	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	824
PH04	10/26/2023	0.5	< 0.025	<0.025	<20.0	36.4	<50.0	36.4	36.4	153
PH04	10/26/2023	4	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	266
BH01	11/7/2023	0	<0.025	<0.025	<20.0	317	406	723	723	333
BH01	10/24/2023	1	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	568
BH02	10/24/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	3,870
BH02	10/24/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	773

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

[&]quot;<": Laboratory Analytical result is less than reporting limit

^{*} Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.



TABLE 2

SOIL SAMPLE ANALYTICAL RESULTS

Florence State 23 TB
Matador Production Company
Lea County, New Mexico

				Lea	County, New Me	XICO				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
				Excava	tion Floor Soil S	amples				
FS01	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	2,840
FS02	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,880
FS03	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,780
FS04	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,620
FS05	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,160
FS06	10/26/2023	0.5	<0.025	<0.025	<20.0	44.7	76.1	44.7	120.8	1,690
FS07	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	873
FS08	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	595
FS09	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,720
FS10	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	603
FS11	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,090
FS12	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,410
FS13	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	1,280
FS14	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	614
FS15	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	297
FS16	10/26/2023	0.5	<0.025	<0.025	<20.0	30.3	56.7	30.3	87.0	537



TABLE 2 - CONT'D

SOIL SAMPLE ANALYTICAL RESULTS

Florence State 23 TB **Matador Production Company** Lea County, New Mexico

					County, How mo	Aloo .				
Sample Date Depth Designation (feet bgs)		Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)	
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS17	10/26/2023	0.5	<0.025	<0.025	<20.0	48.3	95	48.3	144	449
FS18	10/26/2023	0.5	<0.025	<0.025	<20.0	47.5	67.6	47.5	115	244
FS19	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	159
FS20	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	260
FS21	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	2,520
FS22	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	702
FS23	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	32.5
FS24	10/26/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	22.6

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

Concentrations in bold exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Form C-141

Responsible Party Matador Production Company

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2313769629
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID 228937

Contact Name Clint Talley					Contact Telephone (337) 319-8398			
Contact email clinton.talley@matadorresources.com					Incident # (assigned by OCD) nAPP2313769629			
Contact mailing address 5400 Lyndon B Johnson Fwy, Dallas, Texas 75240								
			Location	of R	elease So	ource		
Latitude 32.28	4657		(NAD 83 in dec	cimal de _t	Longitude <u>-</u> grees to 5 decim	103.443006 al places)		
Site Name Flo	orence State	23 TB			Site Type C	Dil Well		
Date Release	Discovered	05/17/2023			API# (if appl	licable)		
Unit Letter	Section	Township	Dongo		Count	4		
L	23	Township 23S	Range 34E		Coun	<u> </u>	-	
Surface Owner	r: X State	Federal Tr	ibal Private (A	Vame:)	
			Nature and	ı Val	umo of L	Polooco		
			Mature and	1 101	uine of r	Keiease		
Crude Oil		Volume Released		calculat	ions or specific		volumes provided below) vered (bbls) 0 bbls	
☐ Produced	Water	Volume Release				Volume Recovered (bbls) 0 bbls		
			ion of dissolved c	hloride	e in the	☐ Yes ⊠ N	, ,	
		produced water >	>10,000 mg/l?					
Condensa Condensa	te	Volume Release	d (bbls)			Volume Reco	overed (bbls)	
Natural G	as	Volume Released	d (Mcf)			Volume Reco	vered (Mcf)	
Other (de	scribe)	Volume/Weight	Released (provide	e units))	Volume/Weight Recovered (provide units)		
Cause of Rel	ease:							
							gasket on one of the heater treaters is	
							and ignite a fire. The fire consumed	
heater treater		crude oil and prod	ucea water release	e on-pa	aa. The volur	ne reieased is e	stimated based on the capacity of the	

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District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the respon Volume exceeded 25 bbls. This release re	
19.15.29.7(A) NMAC?		
⊠ Yes □ No		
If VEC was immediate n	otice given to the OCD? By whom? To wh	om? When and by what manns (phone amail, ata)?
	ten to NMOCD on 05/17/2023 via website.	om? When and by what means (phone, email, etc)?
	Initial Re	esponse
The responsible p	party must undertake the following actions immediately	unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
☐ The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	we been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain v	yhy:
Per 19 15 29 8 B (4) NM	AC the responsible party may commence re	mediation immediately after discovery of a release. If remediation
has begun, please attach	a narrative of actions to date. If remedial e	fforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
		est of my knowledge and understand that pursuant to OCD rules and
		ications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have
failed to adequately investig	ate and remediate contamination that pose a threa	at to groundwater, surface water, human health or the environment. In esponsibility for compliance with any other federal, state, or local laws
and/or regulations.	r a C-141 report does not reneve the operator of r	esponsibility for compliance with any other federal, state, or local laws
Printed Name: Clint Talle	<u>y</u>	Title: EHS Supervisor
Signature: Clint	Tallsy	Date: <u>05/18/2023</u>
email: Clinton.talley@ma	U	Telephone: <u>337-319-8398</u>
OCD Only		
	lyn Harimon	Date: 05/19/2023
Received by:		Date

State of New Mexico

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Application ID	

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	>55 (ft bgs)					
Did this release impact groundwater or surface water?						
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No					
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?						
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No					
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No					
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?						
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No					
Are the lateral extents of the release within 300 feet of a wetland?						
Are the lateral extents of the release overlying a subsurface mine?						
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No					
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No					
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No					
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver- contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	rtical extents of soil					
Characterization Report Checklist: Each of the following items must be included in the report.						
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data □ Data table of soil contaminant concentration data □ Depth to water determination □ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release □ Boring or excavation logs □ Photographs including date and GIS information □ Topographic/Aerial maps □ Laboratory data including chain of custody 	lls.					
Laboratory data including chain of custody						

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

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District RP		
Facility ID		
Application ID		

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	oCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Clint Talley	Title: EHS Supervisor
Signature: Clint Talley email: Clinton.talley@matadorresources.com	Date: 1/12/2024
email: Clinton.talley@matadorresources.com	Telephone: 337-319-8398
OCD Only	
Received by:	Date:

	Page 20 of 1	87
Incident ID	nAPP2313769629	
District RP		
Facility ID		
Application ID		

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	included in the plan.					
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)						
<u>Deferral Requests Only</u> : Each of the following items must be con	firmed as part of any request for deferral of remediation.					
Contamination must be in areas immediately under or around predeconstruction.	oduction equipment where remediation could cause a major facility					
☐ Contamination does not cause an imminent risk to human health	, the environment, or groundwater.					
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file of which may endanger public health or the environment. The accepta liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD responsibility for compliance with any other federal, state, or local limits of the compliance with any other federal, state, or local limits of the compliance with any other federal, state, or local limits of the compliance with any other federal, state, or local limits of the compliance with any other federal, state, or local limits of the compliance with any other federal, state, or local limits of the compliance with any other federal, state, or local limits of the complete c	ertain release notifications and perform corrective actions for releases nce of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of					
Printed Name: Clint Talley	Title: EHS Supervisor					
Signature: Clint Talley	Date: <u>05/18/2023</u>					
email: Clinton.talley@matadorresources.com	Telephone: <u>337-319-8398</u>					
OCD Only						
Received by:	Date:					
☐ Approved ☐ Approved with Attached Conditions of	Approval					
Signature:	Date:					

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 218344

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	218344
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	5/19/2023



APPENDIX B

Referenced Wells



2904 W 2nd St. Roswell, NM 88201 voice; 575.624.2420 fax; 575.624.2421 www.atkinseng.com

September 13, 2023

DII-NMOSE 1900 W 2nd Street Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record CP-1977 Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, CP-1977 Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

Green Middle

OSE OTI SEP 14 2023 PM2:40

PAGE 1 OF 2

WELL TAG ID NO.



Z	OSE POD NO. (W POD 1 (TW-1			WELL TAG ID NO. N/A		OSE FILE NO(S	3).				
CATIO	WELL OWNER Matador Prod		Company		PHONE (OPTIO	ONAL)					
VELL L	WELL OWNER M 5400 Lyndon		ADDRESS son Fwy Suite 1500			CITY STATE ZIP Dallas TX 75240					
1. GENERAL AND WELL LOCATION		LON	ITUDE		SECONDS 1.67 N 54.93 W I LANDMARKS – PL	* DATED A DECLUDED, WCG GA					
	LICENSE NO. 1249		NAME OF LICENSED I	DRILLER Jackie D. Atkins			NAME OF WELL DRI Atkins Eng	LLING COMPANY ineering Associates, I	nc.		
	DRILLING STAR 09/08/202		DRILLING ENDED 09/08/2023	` '		±55	DEPTH WATER FIRS	ST ENCOUNTERED (FT) N/A			
N	COMPLETED W	ELL IS:	☐ ARTESIAN	DRY HOLE SHALLO	W (UNCONFINED)		STATIC WATER LEVEL IN COMPLETED WELL (FT) STATIC MEASURES 9/13/2023				
RMATIC	DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY: DRILLING METHOD: ROTARY HAMMER CABLE TOOL OTHER - SPECIFY: Hollow Stem Auger INSTALLED CHECK HERE IF PITLESS ADAPTER IS INSTALLED										
CASING INFORMATION	DEPTH (feet bgl) FROM TO DIAM (inches)			(include each casing string, and		ASING CASING NECTION INSIDE DIAM. TYPE (inches)		CASING WALL THICKNESS (inches)	SLOT SIZE (inches		
2. DRILLING & C.	0	55	±6.25	Soil Boring							
2.							ger mi se	7 4 <u>2003</u> - 10 - 1			
	DEPTH (feet bgl) FROM TO BORE HOLE DIAM. (inches)		LIST ANNULAR SEAL MATERIAL A GRAVEL PACK SIZE-RANGE BY INTE			AMOUNT METHO (cubic feet) PLACEM					
ANNULAR MATERIAL				1	N/A						
3. ANNI											

Released to Imaging: 3/27/2024 8:07:46 AM

LOCATION

PAGE 2 OF 2

WELL TAG ID NO.

	DEPTH (f	eet bgl)		со	LOR AND TYPE OF MATERIA	AL ENCOUNTERED -	W	ATER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)		E WATER-BEARING CAVITI ttach supplemental sheets to fu		LU	ARING? ES / NO)	WATER- BEARING ZONES (gpm)
	0	14	14		Caliche, consolidated, fine-grain	ned sand, white/ tan	Y	✓ N	
	14	55	41	S	Sand, fine-grained, poorly graded	, unconsolidated, tan	Y	✓ N	
							Y	N	
							Y	N	
- 7							Y	N	
ا پر							Y	N	
4. HYDROGEOLOGIC LOG OF WELL							Y	N	
OF							Y	N	
0 0							Y	N	
101							Y	N	
99							Y	N	
EO							Y	N	
ROC							Y	N	
EX.							Y	N	
4.1							Y	N	
							Y	N	
							Y	N	
							Y	N	
	1						Y	N	
							Y	N	
			7				Y	N	
	METHOD U	SED TO E	STIMATE YIELD	OF WATER-I	BEARING STRATA:		TOTAL EST	ΓIMATED	Au-
	PUMI		AIR LIFT	BAILER	OTHER - SPECIFY:		WELL YIE	LD (gpm):	0.00
/ISION	WELL TES	STAF	RT TIME, END TI	ME, AND A T.	OF DATA COLLECTED DUR ABLE SHOWING DISCHARG	E AND DRAWDOWN O	VER THE TEST	TING PERIC	OD.
TEST; RIG SUPERV			10		I material removed and soil burface(bgs), then hydrated be	entonite chins ten feet h			
s. Test		` '		RVISOR(S) TH	IAT PROVIDED ONSITE SUPP	ERVISION OF WELL CO	NSTRUCTION	OTHER TI	HAN LICENSEE
	Shane Eldri	age, Came	eron Pruitt						
SIGNATURE	CORRECT I	RECORD (OF THE ABOVE I	DESCRIBED F	O THE BEST OF HIS OR HER IOLE AND THAT HE OR SHE ER COMPLETION OF WELL I	WILL FILE THIS WELL	ELIEF, THE FO L RECORD WI	REGOING TH THE ST	IS A TRUE ANI ATE ENGINEEI
e. SIGN	Jack A	tkins			Jackie D. Atkins		09	/13/2023	
•		SIGNA	TURE OF DRILLI	ER / PRINT:	SIGNEE NAME			DATE	
DC:	n oon nimes					WD 20 U	ELL DECOBL	& LOC No	ersion 01/28/2022
FOI	R OSE INTER	NAL USE			POD NO	TRN NO	LLL RECORD	W LOG (AG	101VII V 1/20/2022

LOCATION



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

lale	Engineer Well Number:	-1977-POD-1			
ell	owner: Matador Production	on Company		Phone No.:	337-319-8398
aili	ng address: 5400 Lyndon	B Johnson Fwy S	uite 1500		
ty:	Dallas		State:	Texas	Zip code:
V	ELL PLUGGING INFO	PRMATION:			
	Name of well drilling of	company that plug	ged well: Jackie	D. Atkins (Atkins Engine	ering Associates Inc.)
	New Mexico Well Dril				Expiration Date: 04/30/25
	Well plugging activitie	s were supervised	by the following	well driller(s)/rig supervi	sor(s):
	Date well plugging beg	gan: 09/12/2023	3	Pate well plugging conclu	ded: 09/12/2023
	GPS Well Location:	Latitude: Longitude:	32 deg, 103 deg,		sec 9.93 sec, WGS 84
	Depth of well confirme by the following mann			ft below ground le	evel (bgl),
	Static water level meas	sured at initiation	of plugging:	n/a ft bgl	
	Date well plugging pla	n of operations w	as approved by the	e State Engineer:09/01	/2023
	Were all plugging activ	vities consistent w	ith an approved p	lugging plan? Yes	If not, please descr ach additional pages as needed

Version: September 8, 2009 Page 1 of 2

Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
-	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
	10'-55' Drill Cuttings	Approx. 71 gallons	71 gallons	Boring	
_					
_ 					
=				OSE on	SEP 14 2023 PM2140
_		MULTIPLY cubic feet x 7. cubic yards x 201.	BY AND OBTAIN 4805 = gallons 97 = gallons	l .	l,

III. SIGNATURE:

I, Jackie D. Atkins , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins	9/13/2023
Signature of Well Driller	Date

Version: September 8, 2009 Page 2 of 2

WR-20 Well Record and Log-packet-forsign

Final Audit Report 2023-09-13

Created: 2023-09-13

By: Lucas Middleton (lucas@atkinseng.com)

Status: Signed

Transaction ID: CBJCHBCAABAAh4Tm2W3Qt4Ggo_QC6XUO2_2CsWQaLnzt

"WR-20 Well Record and Log-packet-forsign" History

Document created by Lucas Middleton (lucas@atkinseng.com) 2023-09-13 - 8:14:11 PM GMT- IP address: 24.40.85.191

Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2023-09-13 - 8:14:37 PM GMT

Email viewed by Jack Atkins (jack@atkinseng.com) 2023-09-13 - 8:52:44 PM GMT- IP address: 64.90.153.232

Document e-signed by Jack Atkins (jack@atkinseng.com)

Signature Date: 2023-09-13 - 8:54:04 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed. 2023-09-13 - 8:54:04 PM GMT

OSE ON SEP 14 2023 PM2:40

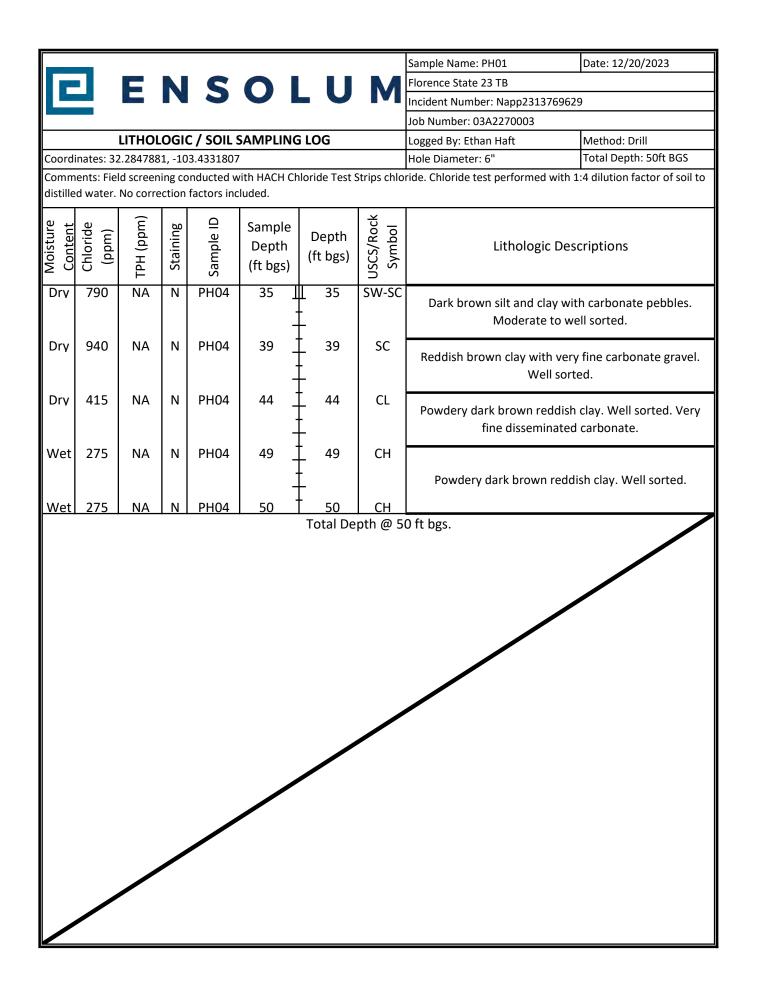




APPENDIX C

Lithologic Soil Sampling Logs

								Sample Name: PH01	Date: 6/5/23	
	7		AI	6		U		Site Name: Florence State 23 TB		
			I	3		_ U		Incident Number: nAPP2313769629		
								Job Number:03A22700003		
		LITHOL	OGIO	C / SOIL S	AMPLING	LOG		Logged By: Ashley Giovengo	Method: Backhoe	
Coordi	Coordinates: 32.284657, -103.443006							Hole Diameter: 3'	Total Depth: 12.5'	
	Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								ely. Chloride test	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Desc	riptions	
D				PH01	0]	<u> </u>	CCCH	0 - 1' Caliche, Light brown, N Light stain	<u> </u>	
М				PH01	1 _	1	SP-SM	1 -2' Dark brown, Mediu	um grade, Moist,	
				PH01	2	- - 2 -	SP-SM	2-3' Dark brown, Cours	se grade, Moist	
	1250	4		PH01	3 _	- _ 3 -	SP-SM	3-4' Sand, Light brown, Medium grade, Dry		
				PH01	4	- - 4 -	SP-SM	4-5' Sand, Light brown, N	ledium grade, Dry	
	900	0		PH01	5 <u> </u>	- 5 - 6	SP-SM	5-6' Sand, Light brown, N	ledium grade, Dry	
	1500			PH01	6.5 <u> </u>	- - - 7	SP-SM	6.5-7.5' Sand, Light brown,	Medium grade, Dry	
				PH01	7.5 <u> </u>	- - - 8	SP-SM	7.5-8.5' Sand, Light brown,	Medium grade, Dry	
	850			PH01	8.5 <u> </u>	- - - 9	SP-SM	8.5-9.5' Sand, Light brown,	Medium grade, Dry	
	900			PH01	9.5 <u> </u>	10	SP-SM	9.5-10.5' Sand, Light brown	, Medium grade, Dry	
	800			PH01	10.5	- - 11	SP-SM	10.5-11.5' Sand, Light brown	ı, Medium grade, Dry	
	550			PH01	11.5	- -	SP-SM	11.5-12.5' Sand, Light brown		
	700			PH01	12.5	12		12.5-13.5' Sand, Light brown	, Medium grade, Dry	



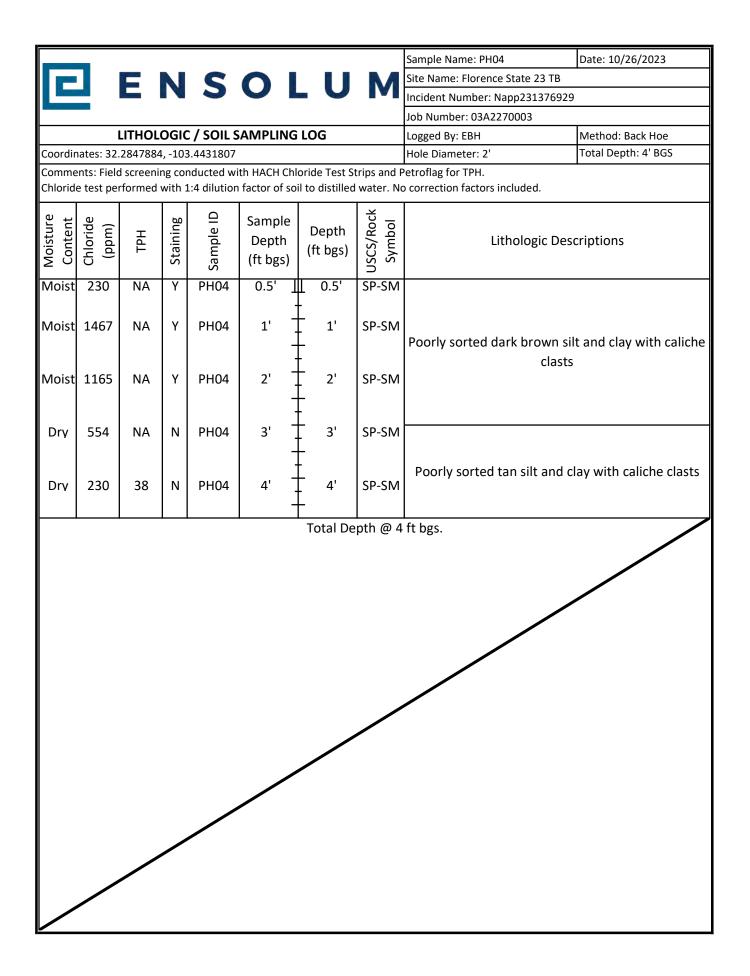
							Cample Name: DLIO	Date: 6/5/23
						B. 4	Sample Name: PH02 Site Name: Florence State 23 TB	Date. 0/5/25
		N	5	OI	_ U	M	Incident Number: nAPP23137696	20
ENSOLUM							29	
	LITUOL	0010	. /	SAMPLING	Job Number: 03A22700003	A A a A la a a la Da a la la a a		
Coordinates: 3				AIVIPLING	Logged By: Ashley Giovengo Hole Diameter: 3'	Method: Backhoe Total Depth: 5'		
				i+h UACU Ch		·		
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								tivery. Childride test
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
D			PH02	0 <u> </u> -	0 -	SP-SM	0-1' Dark brown, Med	lium grade, Moist,
М			PH02	1 _	1	SP-SM	1-2' Dark brown, Med	lium grade, Moist,
М			PH02	2 _	_ 2 _	SP-SM	2-3' Dark brown, Cou	urse grade, Moist
D			PH02	3 _	3 -	SP-SM	3-4' Sand, Light brown,	Medium grade, Dry
D 400	0.5		PH02	4 _	4 4	SP-SM	4-5' Sand, Light brown,	Medium grade, Dry
D 300	0.2		PH02	5 -	5	SP-SM	5-6' Sand, Light brown,	Medium grade, Dry
D 300 0.2 PH02 5 5 SP-SM 5-6' Sand, Light brown, Medium grade, Dry Total Depth @ 5 ft bgs.								

	Sample Name: PH03	Date: 10/26/2023
E N S O L U M	Site Name: Florence State 23 TB	
ENSOLUM	Incident Number: nAPP2313769629	
	Job Number: 03A227003	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Backhoe
Coordinates: 32.2284727, -103.443177	Hole Diameter: 24"	Total Depth: 9.75'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	ТРН	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
Dry	>37,744	NA	Υ	PH03	0'	0'	CCHE	Primarily, poorly-sorted, light brown caliche varying in grain size from fine to large gravel, non-plastic, non-cohesive	
Dry	454	NA	N	PH03	1' -	1' 	GP-GM		
Dry	2,134	NA	N	PH03	2' -	2' -	GP-GM	Primarily dark brown soil with an even mixture of fine-grained sand and clay with abundant caliche rock present varying in size	
Dry	2,280	NA	N	PH03	3' -	- 3'	GP-GM	from small to large gravel.	
Dry	1,736	NA	N	PH03	4' -	_ 4' 	ССНЕ		
Dry	1,204	NA	N	PH03	5' -	- 5'	ССНЕ		
Dry	778	NA	N	PH03	6' -	- 6'	ССНЕ		
Dry	857	NA	N	PH03	7' -	- 7'	ССНЕ	Massive deposit of white to yellow-brown caliche rock.	
Dry	1,109	NA	N	PH03	8' -	- 8'	ССНЕ		
Dry	857	NA		PH03	9' -	- 9'	ССНЕ		
Dry	778	NA		PH03	9.75'	9.75'	ССНЕ		

Total Depth @ 9.75 ft bgs.





APPENDIX D

Photographic Log

ENSOLUM

Photographic Log

Matador Production Company Florence State 23 TB nAPP2313769629

North East Elevation



Photograph 1 Date: 5/18/2023

Description: Point of release
View: Northeast

South Elevation 14°N (T) LAT: 32.284606 LON: -103.443223



Photograph 2 Date:5/18/2023

Description: Point of release

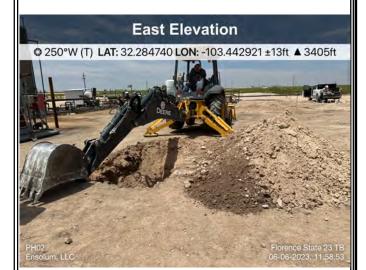
View: South

South Elevation



Photograph 3 Date:6/6/2023 Description: Pothole activities

View: South



Photograph 4 Date: 6/6/2023

Description: Pothole activities

View: East

ENSOLUM

Photographic Log

Matador Production Company Florence State 23 TB nAPP2313769629





Photograph 5

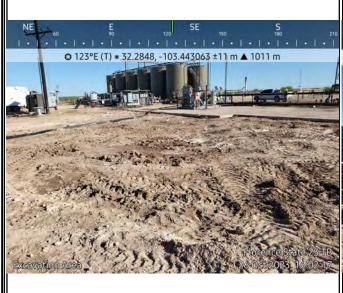
Description: Excavation View: West

Date: 10/26/2023

Photograph 6

Description: Excavation View: Southeast

Date: 10/26/2023



West Elevation

© 104°E (T) **LAT**: 32.284729 **LON**: -103.443249 ±13ft ▲ 3406ft



Photograph 7

Description: Excavation

View: Southeast

Date: 10/26/2023

Photograph 8

Description: Additional Delineation

View: East

Date: 11/7/23

Page 2 of 3

ENSOLUM

Photographic Log

Matador Production Company Florence State 23 TB nAPP2313769629

West Elevation

© 104°E (T) LAT: 32.284729 LON: -103.443249 ±13ft ▲ 3406ft





Photograph 9 Date: 11/07/2023

Description: Drilling

View: Southeast

Photograph 10 Description: Drilling

View: Southeast









Photograph 11 Description: Drilling

View: Southeast

Date: 12/20/2023 Photograph 12

Description: Drilling View: North

Date: 12/20/2023

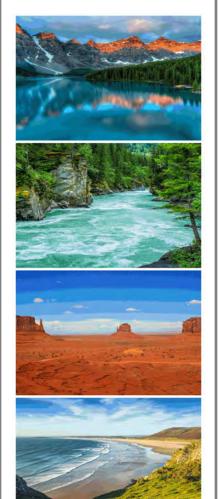
Date: 12/19/2023



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Florence State 23 TB

Work Order: E306045

Job Number: 23052-0001

Received: 6/7/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/12/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/12/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Florence State 23 TB

Workorder: E306045

Date Received: 6/7/2023 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/7/2023 8:30:00AM, under the Project Name: Florence State 23 TB.

The analytical test results summarized in this report with the Project Name: Florence State 23 TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

Γ	Matador Production Company	Project Name:	Florence State 23 TB	Donoutod.
١	3122 National Parks HWY	Project Number:	23052-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/12/23 11:38

Client Sample ID Lab Sample ID Matrix		Sampled	Received	Container
SS01 - 0.5'	E306045-01A Soil	06/05/23	06/07/23	Glass Jar, 2 oz.
SS02 - 0.5'	E306045-02A Soil	06/05/23	06/07/23	Glass Jar, 2 oz.
SS03 - 0.5'	E306045-03A Soil	06/05/23	06/07/23	Glass Jar, 2 oz.
SS04 - 0.5'	F306045-04A Soil	06/05/23	06/07/23	Glass Jar. 2 oz.



Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/12/2023 11:38:55AM

SS01 - 0.5' E306045-01

		E300045-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL	·	Batch: 2323015
Benzene	ND	0.0250	1	06/07/23	06/08/23	
Ethylbenzene	ND	0.0250	1	06/07/23	06/08/23	
Toluene	ND	0.0250	1	06/07/23	06/08/23	
o-Xylene	ND	0.0250	1	06/07/23	06/08/23	
o,m-Xylene	ND	0.0500	1	06/07/23	06/08/23	
Total Xylenes	ND	0.0250	1	06/07/23	06/08/23	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	06/07/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2323015
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/23	06/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	06/07/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2323029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/07/23	06/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/07/23	06/08/23	
Surrogate: n-Nonane		80.5 %	50-200	06/07/23	06/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2323077
Chloride	56.8	20.0	1	06/09/23	06/09/23	



Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/12/2023 11:38:55AM

SS02 - 0.5'

E306045-02							
		Reporting					
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2323015	
Benzene	ND	0.0250	1	06/07/23	06/08/23		
Ethylbenzene	ND	0.0250	1	06/07/23	06/08/23		
Toluene	ND	0.0250	1	06/07/23	06/08/23		
o-Xylene	ND	0.0250	1	06/07/23	06/08/23		
p,m-Xylene	ND	0.0500	1	06/07/23	06/08/23		
Total Xylenes	ND	0.0250	1	06/07/23	06/08/23		
Surrogate: 4-Bromochlorobenzene-PID		95.3 %	70-130	06/07/23	06/08/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2323015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/23	06/08/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.1 %	70-130	06/07/23	06/08/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2323029	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/07/23	06/08/23		
Oil Range Organics (C28-C36)	ND	50.0	1	06/07/23	06/08/23		
Surrogate: n-Nonane		80.7 %	50-200	06/07/23	06/08/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2323077	
Chloride	187	20.0	1	06/09/23	06/09/23		



Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/12/2023 11:38:55AM

SS03 - 0.5'

E306045-03							
		Reporting					
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2323015	
Benzene	ND	0.0250	1	06/07/23	06/08/23		
Ethylbenzene	ND	0.0250	1	06/07/23	06/08/23		
Toluene	ND	0.0250	1	06/07/23	06/08/23		
o-Xylene	ND	0.0250	1	06/07/23	06/08/23		
p,m-Xylene	ND	0.0500	1	06/07/23	06/08/23		
Total Xylenes	ND	0.0250	1	06/07/23	06/08/23		
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	06/07/23	06/08/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: SL		Batch: 2323015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/23	06/08/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130	06/07/23	06/08/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2323029	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/07/23	06/08/23		
Oil Range Organics (C28-C36)	ND	50.0	1	06/07/23	06/08/23		
Surrogate: n-Nonane		76.7 %	50-200	06/07/23	06/08/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2323077	
Chloride	ND	20.0	1	06/09/23	06/09/23		



Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/12/2023 11:38:55AM

SS04 - 0.5'

E306045-04						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2323015
Benzene	ND	0.0250	1	06/07/23	06/08/23	
Ethylbenzene	ND	0.0250	1	06/07/23	06/08/23	
Toluene	ND	0.0250	1	06/07/23	06/08/23	
o-Xylene	ND	0.0250	1	06/07/23	06/08/23	
o,m-Xylene	ND	0.0500	1	06/07/23	06/08/23	
Total Xylenes	ND	0.0250	1	06/07/23	06/08/23	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	06/07/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2323015
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/23	06/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	06/07/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2323029
Diesel Range Organics (C10-C28)	ND	25.0	1	06/07/23	06/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/07/23	06/08/23	
Surrogate: n-Nonane		79.8 %	50-200	06/07/23	06/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2323077
Chloride	246	20.0	1	06/09/23	06/09/23	



QC Summary Data

Florence State 23 TB Matador Production Company Project Name: Reported: 3122 National Parks HWY Project Number: 23052-0001 Carlsbad NM, 88220 Project Manager: Ashley Giovengo 6/12/2023 11:38:55AM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2323015-BLK1) Prepared: 06/06/23 Analyzed: 06/07/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.96 8.00 99.5 70-130 LCS (2323015-BS1) Prepared: 06/06/23 Analyzed: 06/07/23 5.10 5.00 102 70-130 Benzene 0.0250 Ethylbenzene 5.06 0.0250 5.00 101 70-130 5.24 0.0250 5.00 105 70-130 Toluene 5.21 o-Xylene 0.0250 5.00 104 70-130 10.2 10.0 102 70-130 0.0500 p.m-Xvlene 103 70-130 15.5 15.0 Total Xylenes 0.0250 8.00 102 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.13 Matrix Spike (2323015-MS1) Source: E306036-02 Prepared: 06/06/23 Analyzed: 06/07/23 5.27 0.0250 5.00 ND 54-133 Benzene ND 105 61-133 Ethylbenzene 5.24 0.0250 5.00 Toluene 5.42 0.0250 5.00 ND 108 61-130 ND 108 63-131 5.40 5.00 0.0250 o-Xylene p,m-Xylene 10.6 0.0500 10.0 ND 106 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.08 8.00 Matrix Spike Dup (2323015-MSD1) Source: E306036-02 Prepared: 06/06/23 Analyzed: 06/07/23

5.10

5.07

5 24

5.22

10.3

15.5

8.10

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

ND

102

101

105

104

103

103

101

54-133

61-133

61-130

63-131

63-131

63-131

70-130

3.27

3.34

3.33

3.36

3.07

3.17

20

20

20

20

20

20



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Analyte

QC Summary Data

Matador Production CompanyProject Name:Florence State 23 TBReported:3122 National Parks HWYProject Number:23052-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo6/12/2023 11:38:55AM

Nonhalogenated Organics by EPA 8015D - GRO								Analyst: SL		
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323015-BLK1)							Prepared: 0	6/06/23	Analyzed: 06/07/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.7	70-130			
LCS (2323015-BS2)							Prepared: 0	6/06/23	Analyzed: 06/07/23
Gasoline Range Organics (C6-C10)	41.5	20.0	50.0		83.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.91		8.00		86.4	70-130			
Matrix Spike (2323015-MS2)				Source:	E306036-0	02	Prepared: 0	6/06/23	Analyzed: 06/07/23
Gasoline Range Organics (C6-C10)	42.2	20.0	50.0	ND	84.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.8	70-130			
Matrix Spike Dup (2323015-MSD2)				Source:	E306036-0	02	Prepared: 0	6/06/23	Analyzed: 06/07/23
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.8	70-130	4.30	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

QC Summary Data

Matador Production Company	Project Name:	Florence State 23 TB	Reported:
3122 National Parks HWY	Project Number:	23052-0001	_
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/12/2023 11:38:55AM

Carisbad NM, 88220		Project Manage	r: As	niey Gioveng	go				0/12/2023 11:38:33AI
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323029-BLK1)							Prepared: 0	6/07/23 A	nalyzed: 06/07/23
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	60.7		50.0		121	50-200			
LCS (2323029-BS1)							Prepared: 0	6/07/23 A	nalyzed: 06/07/23
riesel Range Organics (C10-C28)	287	25.0	250		115	38-132			
urrogate: n-Nonane	41.1		50.0		82.2	50-200			
Matrix Spike (2323029-MS1)				Source:	E306036-0	05	Prepared: 0	6/07/23 A	nalyzed: 06/07/23
tiesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132			
urrogate: n-Nonane	36.9		50.0		73.8	50-200			
Matrix Spike Dup (2323029-MSD1)				Source:	E306036-0	05	Prepared: 0	6/07/23 A	nalyzed: 06/07/23
tiesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132	0.125	20	
urrogate: n-Nonane	38.8		50.0		77.6	50-200			

QC Summary Data

Matador Production Company 3122 National Parks HWY	Project Name: Project Number:	Florence State 23 TB 23052-0001	Reported:					
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/12/2023 11:38:55AM					
A * L. EDA 200 0/005/ A								

Anions by EPA 300.0/9056A								Analyst: BA		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2323077-BLK1)							Prepared: 0	6/09/23 An	nalyzed: 06/09/23	
Chloride	ND	20.0								
LCS (2323077-BS1)							Prepared: 0	6/09/23 An	nalyzed: 06/09/23	
Chloride	265	20.0	250		106	90-110				
Matrix Spike (2323077-MS1)				Source:	E306077-	01	Prepared: 0	6/09/23 An	nalyzed: 06/09/23	
Chloride	291	20.0	250	32.8	103	80-120				
Matrix Spike Dup (2323077-MSD1)				Source:	E306077-	01	Prepared: 0	6/09/23 An	nalyzed: 06/09/23	
Chloride	286	20.0	250	32.8	101	80-120	1.63	20		

QC Summary Report Comment:

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



Definitions and Notes

ſ	Matador Production Company	Project Name:	Florence State 23 TB	
١	3122 National Parks HWY	Project Number:	23052-0001	Reported:
١	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/12/23 11:38

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.



		oduction		У	Bill To			_	ab U						TA			rogram
		State 23 T Ashley Gi			Attention: Clint Talley Address: On File		Lab WO	#	_		Number		1D	2D	3D	Standard	CWA	SDWA
		ional Par		av	City, State, Zip: On File		E300	209	2		vsis and I		1	_		X	-	RCRA
		rlsbad, N		ay	Phone: 337-319-8398		18		T	Anan	7313 4114 1	VIELIO						KCKA
	75-988-0				Email: clinton.talley@matad	orresources.com	NO.		1								State	
Email: agi	iovengo@	ensolum	.com				30/0		0		0.0		NM		v l	NM CO	UT AZ	TX
Report du	ue by:						o/pi	/ 802	826	6010	e 300				×	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
10:00	6/5/23	S	1 jar		SS01 - 0.5'	1							Х					
10:05	6/5/23	S	1 jar		SS02 - 0.5'	2							х					
10:10	6/5/23	S	1 jar		SS03 - 0.5'	3							х					
10:15	6/5/23	S	1 jar		SS04 - 0.5'	4							х					
																		,
Additiona	al Instruc	tions: Pr	eserved	on ice. Please co	agiovengo@ensolum.com, cole	e.burton@ensolu	m.com ar	nd cli	nton	.talle	y@mat	adorre	sou	rces.c	om o	n lab results.	il Y	
				icity of this sample. I a	m aware that tampering with or intentionally	y mislabelling the sample										eived on ice the day °C on subsequent da		led or receive
telinquishe	d by: (Signa	iture)	Date	The state of the s	Received by: (Signature)	O Date	Time	$l \infty$)	Rec	eived or	ice:		ab Us	e Onl	у -		W
Wich		emals	Date 6	623 M	Received by: (Signature)	Date 0-6-	23 17	15		T1			T2			<u>T3</u>		
delinquished ANS A	d by: (Signa	verso	Date	4-23 Time	Reserved by: (Signature)	Date / 10/57 /	Time	3'3	30	AVG	Temp '	c 4	,					



envirotection of the client expense. The report for the analysis of the above or on the report.

Page 1887

Printed: 6/7/2023 10:59:04AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

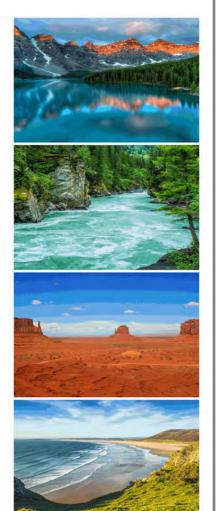
Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Production Company	Date Received:	06/07/23	08:30	Work Order I	D:	E306045
Phone:	(575) 988-0055	Date Logged In:	06/06/23	16:11	Logged In By	y:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	06/13/23	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	e sample ID match the COC?		Yes				
	e number of samples per sampling site location man	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: Cou	<u>ırier</u>		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Comn</u>	<u>nent</u>	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
	ample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C				
Sample C			_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers'	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	el						
20. Were 1	— field sample labels filled out with the minimum info	ormation:					
Sa	ample ID?		Yes				
	ate/Time Collected?		Yes	<u> </u>			
	ollectors name?		Yes				
	reservation		NT.				
	the COC or field labels indicate the samples were pr	reserved?	No				
	umple(s) correctly preserved? filteration required and/or requested for dissolved n	antolo?	NA No				
	•	ictais:	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	imples required to get sent to a subcontract laborato	•	No				
29. Was a	subcontract laboratory specified by the client and in	f so who?	NA	Subcontract Lab: r	na		
Client In	struction						

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Florence State 23 TB

Work Order: E306057

Job Number: 23052-0001

Received: 6/8/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/14/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/14/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Florence State 23 TB

Workorder: E306057

Date Received: 6/8/2023 8:35:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/8/2023 8:35:00AM, under the Project Name: Florence State 23 TB.

The analytical test results summarized in this report with the Project Name: Florence State 23 TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

Matador Production Company	Project Name:	Project Name: Florence State 23 TB			
3122 National Parks HWY	Project Number:	23052-0001	Reported:		
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/14/23 15:27		

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH01-0'	E306057-01A Soil	06/06/23	06/08/23	Glass Jar, 4 oz.
PH01-1'	E306057-02A Soil	06/06/23	06/08/23	Glass Jar, 4 oz.
PH01-2'	E306057-03A Soil	06/06/23	06/08/23	Glass Jar, 4 oz.
PH01-3'	E306057-04A Soil	06/06/23	06/08/23	Glass Jar, 4 oz.
PH01-4'	E306057-05A Soil	06/06/23	06/08/23	Glass Jar, 4 oz.
PH01-5'	E306057-06A Soil	06/06/23	06/08/23	Glass Jar, 4 oz.



Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/14/2023 3:27:13PM

PH01-0' E306057-01

		L500057 01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2323047
Benzene	ND	0.0250	1	06/08/23	06/08/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/08/23	
Toluene	ND	0.0250	1	06/08/23	06/08/23	
o-Xylene	ND	0.0250	1	06/08/23	06/08/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/08/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/08/23	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	06/08/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2323047
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	70-130	06/08/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2323043
Diesel Range Organics (C10-C28)	322	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	239	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		64.5 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2324007
Chloride	1390	20.0	1	06/12/23	06/14/23	

Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/14/2023 3:27:13PM

PH01-1'

		E306057-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2323047
Benzene	ND	0.0250	1	06/08/23	06/08/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/08/23	
Toluene	ND	0.0250	1	06/08/23	06/08/23	
o-Xylene	ND	0.0250	1	06/08/23	06/08/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/08/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/08/23	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	06/08/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2323047
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	06/08/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2323043
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/10/23	
Surrogate: n-Nonane		59.0 %	50-200	06/08/23	06/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2324007
Chloride	2990	40.0	2	06/12/23	06/14/23	



Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/14/2023 3:27:13PM

PH01-2'

E306057-03

	Reporting				
Result	Limit	Dilutio	on Prepared	Analyzed	Notes
mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2323047
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0500	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
	99.7 %	70-130	06/08/23	06/08/23	
mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2323047
ND	20.0	1	06/08/23	06/08/23	
	90.9 %	70-130	06/08/23	06/08/23	
mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2323043
52.4	25.0	1	06/08/23	06/10/23	
ND	50.0	1	06/08/23	06/10/23	
	67.9 %	50-200	06/08/23	06/10/23	
mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2324007
3040	40.0	2	06/12/23	06/14/23	
	mg/kg ND ND ND ND ND ND ND Mg/kg ND mg/kg 52.4 ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 mg/kg mg/kg MD 20.0 90.9 % mg/kg mg/kg mg/kg 52.4 25.0 ND 50.0 67.9 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg And ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 0.0250 1 99.7 % 70-130 70-130 mg/kg mg/kg And Mg/kg mg/kg And 52.4 25.0 1 ND 50.0 1 67.9 % 50-200 mg/kg mg/kg And	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0500 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 mg/kg mg/kg Analyst: IY ND 20.0 1 06/08/23 mg/kg mg/kg Analyst: KM 52.4 25.0 1 06/08/23 ND 50.0 1 06/08/23 ND 50.0 1 06/08/23 Mg/kg mg/kg Analyst: KM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/08/23 06/08/23 ND 0.0250 1 06/08/23 06/08/23 ND 0.0250 1 06/08/23 06/08/23 ND 0.0500 1 06/08/23 06/08/23 ND 0.0250 1 06/08/23 06/08/23 ND 0.0250 1 06/08/23 06/08/23 MD 0.0250 1 06/08/23 06/08/23 MB/kg mg/kg Analyst: IY ND 06/08/23 06/08/23 MB/kg mg/kg Analyst: KM Analyst: KM 06/08/23 06/08/23 MB/kg mg/kg Analyst: KM 06/08/23 06/10/23 MD 50.0 1 06/08/23 06/10/23 MD 50.0 1 06/08/23 06/10/23 MB/kg mg/kg Analyst: BA 06/10/23



Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/14/2023 3:27:13PM

PH01-3'

E306057-04

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2323047
Benzene	ND	0.0250	1	06/08/23	06/08/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/08/23	
Toluene	ND	0.0250	1	06/08/23	06/08/23	
o-Xylene	ND	0.0250	1	06/08/23	06/08/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/08/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/08/23	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	06/08/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2323047
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	06/08/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2323043
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/10/23	
Surrogate: n-Nonane		68.0 %	50-200	06/08/23	06/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2324007
Chloride	1960	40.0	2	06/12/23	06/14/23	



Sample Data

Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/14/2023 3:27:13PM

PH01-5'

		E306057-06				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2323047
Benzene	ND	0.0250	1	06/08/23	06/08/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/08/23	
Toluene	ND	0.0250	1	06/08/23	06/08/23	
o-Xylene	ND	0.0250	1	06/08/23	06/08/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/08/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/08/23	
Surrogate: 4-Bromochlorobenzene-PID		99.7 %	70-130	06/08/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2323047
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	06/08/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2323043
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/10/23	
Surrogate: n-Nonane		68.4 %	50-200	06/08/23	06/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2324007
Chloride	1030	20.0	1	06/12/23	06/14/23	



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

QC Summary Data

Florence State 23 TB Matador Production Company Project Name: Reported: 3122 National Parks HWY Project Number: 23052-0001 Carlsbad NM, 88220 Project Manager: Ashley Giovengo 6/14/2023 3:27:13PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2323047-BLK1) Prepared: 06/08/23 Analyzed: 06/08/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.87 8.00 98.4 70-130 LCS (2323047-BS1) Prepared: 06/08/23 Analyzed: 06/08/23 4.42 5.00 88.5 70-130 0.0250 Benzene Ethylbenzene 4.67 0.0250 5.00 93.4 70-130 70-130 4.80 0.0250 5.00 95.9 Toluene 98.5 70-130 o-Xylene 4.93 0.0250 5.00 9.66 10.0 96.6 70-130 0.0500 p.m-Xvlene 97.3 70-130 14.6 0.0250 15.0 Total Xylenes 8.00 99.3 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.94 Source: E306055-01 Matrix Spike (2323047-MS1) Prepared: 06/08/23 Analyzed: 06/08/23 Benzene 4.48 0.0250 5.00 ND 54-133

Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			
Matrix Spike Dup (2323047-MSD1)				Source:	E306055-	01	Prepared: 06	6/08/23 Analyzed: 06/08/2	23
Benzene	4.41	0.0250	5.00	ND	88.1	54-133	1.57	20	
Ethylbenzene	4.70	0.0250	5.00	ND	94.0	61-133	1.17	20	
Toluene	4.82	0.0250	5.00	ND	96.3	61-130	1.09	20	
o-Xylene	4.96	0.0250	5.00	ND	99.1	63-131	1.25	20	
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	63-131	0.978	20	
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131	1.07	20	
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			

5.00

5.00

5.00

10.0

4.75

4.87

5.02

9.82

14.8

0.0250

0.0250

0.0250

0.0500

0.0250

95.1

97.4

100

98.2

61-133

61-130

63-131

63-131

63-131

ND

ND

ND

ND

ND



QC Summary Data

Matador Production Company	Project Name:	Florence State 23 TB	Reported:
3122 National Parks HWY Carlsbad NM, 88220	Project Number: Project Manager:	23052-0001 Ashley Giovengo	6/14/2023 3:27:13PM

Carlsbad NM, 88220		Project Manage	r: As	hley Gioveng	go			6/14	4/2023 3:27:13PM
	RO		Analyst: IY						
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2323047-BLK1)							Prepared: 0	6/08/23 Analy	zed: 06/08/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.3	70-130			
LCS (2323047-BS2)							Prepared: 0	6/08/23 Analy	zed: 06/08/23
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			
Matrix Spike (2323047-MS2)				Source:	E306055-	01	Prepared: 0	6/08/23 Analy	zed: 06/08/23
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			
Matrix Spike Dup (2323047-MSD2)				Source:	E306055-	01	Prepared: 0	6/08/23 Analy	zed: 06/08/23
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130	6.68	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			

QC Summary Data

Matador Production Company 3122 National Parks HWY	Project Name: Project Number:	Florence State 23 TB 23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/14/2023 3:27:13PM

Carisbad NM, 88220		Project Manage	r: As	niey Gioveng	go				0/14/2023 3:2/:13PM
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323043-BLK1)							Prepared: 0	6/08/23 A	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	34.2		50.0		68.5	50-200			
LCS (2323043-BS1)							Prepared: 0	6/08/23 A	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	239	25.0	250		95.8	38-132			
urrogate: n-Nonane	32.8		50.0		65.6	50-200			
Matrix Spike (2323043-MS1)				Source:	E306054-0	01	Prepared: 0	6/08/23 A	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132			
urrogate: n-Nonane	32.2		50.0		64.4	50-200			
Matrix Spike Dup (2323043-MSD1)				Source:	E306054-0	01	Prepared: 0	6/08/23 A	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.9	38-132	1.53	20	
urrogate: n-Nonane	31.5		50.0		62.9	50-200			



Matrix Spike (2324007-MS1)

Matrix Spike Dup (2324007-MSD1)

Chloride

Chloride

1680

1890

Prepared: 06/12/23 Analyzed: 06/14/23

Prepared: 06/12/23 Analyzed: 06/14/23

20

M2

QC Summary Data

Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	Fl 23 A		Reported: 6/14/2023 3:27:13PM				
<u>'</u>		Anions	by EPA 3	300.0/9056 <i>E</i>	<u> </u>				Analyst: BA
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2324007-BLK1)							Prepared: 0	6/12/23 An	nalyzed: 06/14/23
Chloride	ND	20.0							
LCS (2324007-BS1)							Prepared: 0	6/12/23 An	alyzed: 06/14/23
Chloride	263	20.0	250		105	90-110			

250

250

20.0

20.0

Source: E306057-01

Source: E306057-01

114

198

80-120

80-120

11.8

1390

1390

QC Summary Report Comment:

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



Definitions and Notes

ſ	Matador Production Company	Project Name:	Florence State 23 TB	
١	3122 National Parks HWY	Project Number:	23052-0001	Reported:
١	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/14/23 15:27

M2 Matrix spike recovery was outside quality control limits. The associated 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.



lient: M	atador Pr	oduction	Compa	ny Bill To			-	Lab U	se Or	nlv				TAT		EPA P	rogram
	lorence S			Attention: Clint Talley		Lab W			Job	Numbe	er	1D	2D		Standard	CWA	SDW
	lanager:			Address: On File		E30	005	7	23	052-	1000				X		
	3122 Nat						-			sis and		d					RCR
	e, Zip: Ca		IM 88220	Phone: 337-319-8398		by by	111										
	75-988-0			Email: clinton.talley@matado	rresources.com	ORC	1									State	_
	iovengo@	ensolun	n.com			JRO/	8021	00	0	300.0		Σ		×	NM CO	UT AZ	TX
eport d				1	1	RO/I	9 A	y 826	6010	de 30					×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by	8015 BTEX by 8	VOC by 8260	Metals	Chloride		верос		СБОС		Remarks	\$
8:31	6/6/23	S	1 jar	PH01-01')							Х					
8:34	6/6/23	S	1 jar	PH01-1'	2							Х					
8:38	6/6/23	S	1 jar	PH01-2'	3							х					
8:45	6/6/23	S	1 jar	PH01-3'	4							Х					
9:08	6/6/23	S	1 jar	PH01-4'	5						+	х					
9:27	6/6/23	S	1 jar	PH01-5'	U		+	+			+	Х			+		
					Q'												
											-						
							+	+	-		+				+		
							+				+				+		-
1.154	1						1.	<u></u>			<u>.</u>					•45	
	1			on ice. Please cc agiovengo@ensolum.com, cole				clinto	n.tai	iey@m	atado	rreso	urce	s.com	on lab resu	its.	
				nticity of this sample. I am aware that tampering with or intentional may be grounds for legal action. Sampled by:	Illy mislabelling the sa	ample loca	tion,								eived on ice the day ss than 6 °C on sub		pled or
elinguishe	d by Signa	ture)	Date	Time Received by: (Signatura) 945 Well (Survey)	Date 6-7-0	23 Tim	45	5	Rece	eived o	n ice:	C	b Us	e Only			
elinquishe	d by (Signa	ture)	Date	7-23 Time Received by: (Signature)	Date	-23 Tim	173	30	T1			T2			T3		
elinguishe	d by: (Signa	ture	Date	-S-3 Time Oloo Releived by: (Signature)	Date/ /	Tim			-								



or disposed of at the client expense. The report for the analysis of the paid for on the report.

Consider the client expense. The report for the analysis of the paid for on the report.

Consider the client expense. The report for the analysis of the paid for on the report.

Printed: 6/8/2023 3:42:29PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Production Company	Date Received:	06/08/23	08:35	Work Or	ler ID:	E306057	
Phone:	(575) 988-0055	Date Logged In:	06/07/23	16:10	Logged I	n By:	Caitlin Mars	
Email:	agiovngo@ensolum.com	Due Date:	06/14/23	17:00 (4 day TAT)				
1. Does the 2. Does the	Custody (COC) ne sample ID match the COC? ne number of samples per sampling site location management of the country of the c	tch the COC	Yes No					
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes Yes	Carrier: <u>C</u>	<u>ourier</u>			
	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	the field,	Yes		<u>Cc</u>	ommen	nts/Resolution	
	Furn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes		PH01-4 sample no	ot rec	eived by lab.	
Sample (<u>Cooler</u>							
7. Was a	sample cooler received?		Yes					
8. If yes,	was cooler received in good condition?		Yes					
9. Was th	e 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					
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C					
	Container		_					
	queous VOC samples present?		No					
	OC samples collected in VOA Vials?		NA					
	head space less than 6-8 mm (pea sized or less)?		NA					
	trip blank (TB) included for VOC analyses?		NA					
	on-VOC samples collected in the correct containers'	?	Yes					
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes					
	oel field sample labels filled out with the minimum info ample ID?	ormation:	Yes					
	Pate/Time Collected?		Yes	L				
C	ollectors name?		No					
	Preservation	10						
	the COC or field labels indicate the samples were pr	reserved?	No					
	ample(s) correctly preserved? filteration required and/or requested for dissolved n	actole?	NA No					
	•	ictais:	No					
_	se Sample Matrix	9						
	the sample have more than one phase, i.e., multipha		No					
27. II yes	, does the COC specify which phase(s) is to be analy	/zed?	NA					
	act Laboratory							
	amples required to get sent to a subcontract laborato a subcontract laboratory specified by the client and in		No NA	Subcontract Lab	: NA			
Client I	struction							
							0	
Signat	ure of client authorizing changes to the COC or sample dis	position.			Date			envirotech Inc.

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

Received by OCD: 1/22/2024 10:24:00 AM

Client: A	1atador P	roduction	Compar	nv.		Bill To				15	b Use	00	lo.			TA	AT.	EDAD	rogram
	Florence		NAME OF TAXABLE PARTY.	14	Att	ention: Clint Talley		Lah	WO#	La	-	-	Number	1D	2D				SDWA
-	Manager:	-	-			dress: On File			3000	5			52-0001		-	100	X	-	35111
Address	3122 Na	ional Par	rks Highw	vay		, State, Zip: On File				,-			sis and Metho	d		1	THE PERSON		RCRA
City, Sta	te, Zip: Ca	rlsbad, N	IM 88220		Pho	one: 337-319-8398			by					T	I				
	75-988-0				Em	ail: clinton.talley@matadorre	esources.com		ORO	- 1					1			State	demand of the second
	giovengo (Densolur	n.com						RO/C	11	0		0.0	NN		-	NM C	D UT AZ	TX
Report o	lue by:								0/0	8021	826(6010	300	1		X	×		
Time Sampled	Date Sampléd	Matrix	No. of Containers	Sample ID			Lab Number		TPH GRO/DRO/ORO by 8015	втёх ьу	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	-4	GDOC		Remarks	
8:31	6/6/23	S	1 jar			PH01-91 0	1							X			Char	ged 50	inde
8:34	6/6/23	S	1 jar			PH01-1'	2							х			mm	e#1	ner
8:38	6/6/23	S	1 jar			PH01-2'	3							х			Ashl	ey. 10/1	4/2304
8:45	6/6/23	S	1 jar			PH01-3'	4							X			T I	01	
-9:08	6/6/23	-5-	—1-jar-			PH01-4'-	5					-4		X	-		San	nd 1 v	10+
9:27	6/6/23	S	1 jar			PH01-5'	4							х			reco	ived	bu
																	lau	2 AL	4
																		0/8/2	13
												24							
Addition	al Instruc	tions: Pr	eserved	on ice. Plea	ise cc agiovi	engo@ensolum.com, cole.bu	urton@ensolu	ım.co	om an	d cli	inton.	.tall	ey@matador	reso	urce	s.con	on lab resi	ılts.	
					mple. I am awa ds for legal actio	re that tampering with or intentionally n. Sampled by:	mislabelling the sa	mple k	ocation,				s requiring thermal p d packed in ice at an						oled or
1	ed by Sign	1	Date (el	7/23	945	Received by: (Signatura) MCULLO GUYS	Date 6-7-2	13	Time 94	5	R	Rece	ived on ice:	1		se On	ly		
MICL		wxell	Date	7 77	1630	Received by: (Signature) J	Date - 7-	-23	Time V7	132		1		T2			T3		
Relinquish	ed by: (Sign	mys.	Date 6-	-S-3"	Oloo	auth Man	10/8/2	3	Time 8:3	35	A	VG.	Temp °C _	+					
The second secon				Aqueous, O - Ot									astic, ag - amb						
Note: Sam	ples are disc	carded 30 c	lays after re	esults are repo	orted unless of	ther arrangements are made. Haza	ardous samples v	will be	return	ed to	client	or d	isposed of at th	e clier	nt exp	ense.	The report for	the analysis	of the
above sam	ples is appli	cable only	to those sa	mples receive	d by the labor	atory with this COC. The liability of	the laboratory is	s limite	ed to th	ne an	nount p	bisc	for on the repor	t.					



envirotech Page 11 of 187

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Florence State 23 TB

Work Order: E306054

Job Number: 23052-0001

Received: 6/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/13/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/13/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Florence State 23 TB

Workorder: E306054

Date Received: 6/8/2023 8:35:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/8/2023 8:35:00AM, under the Project Name: Florence State 23 TB.

The analytical test results summarized in this report with the Project Name: Florence State 23 TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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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

_			<u> </u>	
ſ	Matador Production Company	Project Name:	Florence State 23 TB	Donoutoda
ı	3122 National Parks HWY	Project Number:	23052-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/13/23 15:52

Client Sample ID	Lab Sample ID M	latrix	Sampled	Received	Container
PH01 - 7.5'	E306054-01A	Soil	06/06/23	06/08/23	Glass Jar, 4 oz.



Sample Data

Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/13/2023 3:52:46PM

PH01 - 7.5' E306054-01

	E300034-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
			1	,	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2323047
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0500	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
	99.0 %	70-130	06/08/23	06/08/23	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2323047
ND	20.0	1	06/08/23	06/08/23	
	91.3 %	70-130	06/08/23	06/08/23	
mg/kg	mg/kg	Ana	lyst: KM		Batch: 2323043
ND	25.0	1	06/08/23	06/09/23	
ND	50.0	1	06/08/23	06/09/23	
	67.6 %	50-200	06/08/23	06/09/23	
mg/kg	mg/kg	Anal	lyst: BA		Batch: 2323077
1310	20.0	1	06/09/23	06/09/23	
	ND ND ND ND Mg/kg ND mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg MB/kg mg/kg ND 20.0 91.3 % mg/kg ND 25.0 ND 50.0 67.6 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Anal ND 20.0 1 91.3 % 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 67.6 % 50-200 mg/kg mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0500 1 06/08/23 ND 0.0250 1 06/08/23 MD 0.0250 1 06/08/23 mg/kg mg/kg Analyst: IY ND 20.0 1 06/08/23 mg/kg mg/kg Analyst: KM ND 25.0 1 06/08/23 ND 50.0 1 06/08/23 ND 50.0 1 06/08/23 Mg/kg Mg/kg Analyst: KM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/08/23 06/08/23 ND 0.0500 1 06/08/23 06/08/23 ND 0.0250 1 06/08/23 06/08/23 Mg/kg mg/kg Analyst: IY ND 20.0 1 06/08/23 06/08/23 Mg/kg mg/kg Analyst: KM ND 25.0 1 06/08/23 06/09/23 ND 25.0 1 06/08/23 06/09/23 ND 50.0 1 06/08/23 06/09/23 ND 50.0 1 06/08/23 06/09/23 Mg/kg mg/kg Analyst: BA



Florence State 23 TB Matador Production Company Project Name: Reported: 3122 National Parks HWY Project Number: 23052-0001 Carlsbad NM, 88220 Project Manager: Ashley Giovengo 6/13/2023 3:52:46PM **Volatile Organics by EPA 8021B** Analyst: IY Source RPD Reporting Spike Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2323047-BLK1) Prepared: 06/08/23 Analyzed: 06/08/23 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.87 8.00 98.4 70-130 LCS (2323047-BS1) Prepared: 06/08/23 Analyzed: 06/08/23 4.42 5.00 88.5 70-130 0.0250 Benzene Ethylbenzene 4.67 0.0250 5.00 93.4 70-130 95.9 70-130 Toluene 4.80 0.0250 5.00 4.93 98.5 70-130 o-Xylene 0.0250 5.00 9.66 0.0500 10.0 96.6 70-130 p,m-Xylene 97.3 70-130 14.6 0.0250 15.0 Total Xylenes 99.3 70-130 8.00 Surrogate: 4-Bromochlorobenzene-PID 7.94

Matrix Spike (2323047-MS1)				Source:	E306055-0	01	Prepared: 06/08/23 Analyzed: 06/08/23
Benzene	4.48	0.0250	5.00	ND	89.5	54-133	
Ethylbenzene	4.75	0.0250	5.00	ND	95.1	61-133	
Toluene	4.87	0.0250	5.00	ND	97.4	61-130	
o-Xylene	5.02	0.0250	5.00	ND	100	63-131	
p,m-Xylene	9.82	0.0500	10.0	ND	98.2	63-131	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130	

Matrix Spike Dup (2323047-MSD1)				Source:	E306055-	01	Prepared: 06	5/08/23 Analyzed: 06/08/23	
Benzene	4.41	0.0250	5.00	ND	88.1	54-133	1.57	20	
Ethylbenzene	4.70	0.0250	5.00	ND	94.0	61-133	1.17	20	
Toluene	4.82	0.0250	5.00	ND	96.3	61-130	1.09	20	
o-Xylene	4.96	0.0250	5.00	ND	99.1	63-131	1.25	20	
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	63-131	0.978	20	
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131	1.07	20	
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Production CompanyProject Name:Florence State 23 TBReported:3122 National Parks HWYProject Number:23052-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo6/13/20233:52:46PM

Carlsbad NM, 88220		Project Manage	r: As	shley Gioveng	go			6/1	3/2023 3:52:46PM
	Non	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2323047-BLK1)							Prepared: 0	6/08/23 Anal	yzed: 06/08/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.3	70-130			
LCS (2323047-BS2)							Prepared: 0	6/08/23 Anal	yzed: 06/08/23
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			
Matrix Spike (2323047-MS2)				Source:	E306055-	01	Prepared: 0	6/08/23 Anal	yzed: 06/08/23
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			
Matrix Spike Dup (2323047-MSD2)				Source:	E306055-	01	Prepared: 0	6/08/23 Anal	yzed: 06/08/23
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130	6.68	20	

8.00

7.43

92.9

70-130

Matador Production CompanyProject Name:Florence State 23 TBReported:3122 National Parks HWYProject Number:23052-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo6/13/20233:52:46PM

Carisbad NWI, 88220		Project Manager	. As	mey Gioveng	30				0/13/2023 3.32.40FF
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323043-BLK1)							Prepared: 0	6/08/23 A	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	34.2		50.0		68.5	50-200			
LCS (2323043-BS1)							Prepared: 0	6/08/23 A	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	239	25.0	250		95.8	38-132			
urrogate: n-Nonane	32.8		50.0		65.6	50-200			
Matrix Spike (2323043-MS1)				Source:	E306054-0	01	Prepared: 0	6/08/23 A	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132			
urrogate: n-Nonane	32.2		50.0		64.4	50-200			
Matrix Spike Dup (2323043-MSD1)				Source:	E306054-0	01	Prepared: 0	6/08/23 A	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.9	38-132	1.53	20	
urrogate: n-Nonane	31.5		50.0		62.9	50-200			

Matrix Spike Dup (2323077-MSD1)

Chloride

QC Summary Data

Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number Project Manager	: 2	lorence State 2 3052-0001 shley Gioveng					Reported: 6/13/2023 3:52:46PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323077-BLK1)							Prepared: 0	6/09/23 A	nalyzed: 06/09/23
Chloride	ND	20.0							
LCS (2323077-BS1)							Prepared: 0	6/09/23 A	nalyzed: 06/09/23
Chloride	265	20.0	250		106	90-110			
Matrix Spike (2323077-MS1)				Source:	E306077-	01	Prepared: 0	6/09/23 A	nalyzed: 06/09/23
Chloride	291	20.0	250	32.8	103	80-120			

250

20.0

Source: E306077-01

101

80-120

1.63

32.8

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.



Prepared: 06/09/23 Analyzed: 06/09/23

20

Definitions and Notes

Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/13/23 15:52

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



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		2/2024
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		AM

Client: M	atador Pr	oduction	Compar	ny	Bill To			7	Lab	Jse O	nlv				TAT		EPA P	rogran
Project: F			_		Attention: Clint Talley		Lab W	/0#		Job Number			1D	2D	3D	Standard	CWA	SDW
Project N				tario .	Address: On File		E 30	Slot	54	di	3052-0			(F.)	E.	X		
Address: City, Stat					City, State, Zip: On File Phone: 337-319-8398		1>		_	Anal	ysis and Me	ethod	-					RCR
Phone: 5			W 00220	4	Email: clinton.talley@matado	rresources cor	SO P									01	State	
Email: ag			n.com	T.	anticontrarie y C matage	nresources.com	1 0/0				0		NM	1 1		NM CO		TX
Report d	ue by:								8260	6010	300 a				¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Numbe	TPH GR	8015	BTEX by 8021	Metals 6010	Chloride 300.0		верос		GDOC		Remarks	
9:45	6/6/23	S	1 jar		PH01-7.5'	1							Х					
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Addition	al Instruc	ions: Pr	eserved	on ice. Please c	c agiovengo@ensolum.com, cole	.burton@enso	um.con	n and	d clint	on.tal	ley@mata	adorr	reso	urces	.com	on lab result	s.	
I, (field sami	er), attest to	the validity	and auther	nticity of this sample.	I am aware that tampering with or intentional	ally mislabelling the	ample loca	ation,		Sampl	es requiring the	rmal pre	eservat	tion mus	t be recei	ived on ice the day t	hey are samp	led or
date or time	of collection	is considere		d may be grounds for						receiv	ed packed in ice	at an av				s than 6 °C on subse	quent days.	
Relinquishe	d by:/(\$igna	iture)	Ce l	17/23 Time		Date Co-7.	23	94	5	Rec	eived on id	ce:		b Use	e Only			
	d by: (Signa	nture)	Date	713 Time	Received by: (Signature) About must	6-7-	Ti	me 173					_			2.7		
100	ed by: (Signa	iture)	Date	1	inggerved by. (Signature)	Date	Tir	me	515	T1		-, -	<u>T2</u>			<u>T3</u>		
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envirotech Inc.

Printed: 6/8/2023 10:23:06AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Production Company	Date Received:	06/08/23 (08:35	Work Order ID:	E306054
Phone:	(575) 988-0055	Date Logged In:	06/07/23	16:02	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	06/14/23	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
	imples dropped off by client or carrier?		Yes	Carrier: Cou	<u>ırier</u>	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	l samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes	_	<u>Commen</u>	ts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C						
	ample cooler received?		Yes			
8. If yes, v	was cooler received in good condition?		Yes			
9. Was the	e 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			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C			
Sample C		<u>-</u>	_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers'	7	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · · · · · · · · · · · · · · · · · ·	icis conceica.	103			
	field sample labels filled out with the minimum info	ormation:				
	imple ID?	mation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
Sample P	<u>reservation</u>					
21. Does t	he COC or field labels indicate the samples were pr	reserved?	No			
22. Are sa	mple(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does 1	he sample have more than one phase, i.e., multipha	se?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
	mples required to get sent to a subcontract laborato	rv?	No			
	subcontract laboratory specified by the client and it	•	NA	Subcontract Lab: n	19	
		t so who.	1121	Subcontract Lab. II	ia	
Client In	struction					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Florence State 23 TB

Work Order: E306055

Job Number: 23052-0001

Received: 6/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/13/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/13/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Florence State 23 TB

Workorder: E306055

Date Received: 6/8/2023 8:35:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/8/2023 8:35:00AM, under the Project Name: Florence State 23 TB.

The analytical test results summarized in this report with the Project Name: Florence State 23 TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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labadmin@envirotech-inc.com

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Southern New Mexico Area Lynn Jarboe

Lynn Jarbuc

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

_			<u> </u>	
I	Matador Production Company	Project Name:	Florence State 23 TB	Reported:
ı	3122 National Parks HWY	Project Number:	23052-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/13/23 15:54

Client Sample ID	Lab Sample ID Ma	atrix	Sampled	Received	Container
PH01 - 8.5'	E306055-01A S	oil	06/06/23	06/08/23	Glass Jar, 4 oz.



Sample Data

Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/13/2023 3:54:14PM

PH01 - 8.5' E306055-01

	E300033-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	·		<u> </u>	Batch: 2323047
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0500	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
	99.0 %	70-130	06/08/23	06/08/23	
mg/kg	mg/kg	Analyst: IY			Batch: 2323047
ND	20.0	1	06/08/23	06/08/23	
	91.2 %	70-130	06/08/23	06/08/23	
mg/kg	mg/kg	Analy	yst: KM		Batch: 2323043
ND	25.0	1	06/08/23	06/09/23	
ND	50.0	1	06/08/23	06/09/23	
	67.9 %	50-200	06/08/23	06/09/23	
mg/kg	mg/kg	Analy	yst: BA		Batch: 2323077
995	20.0	1	06/09/23	06/09/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg MD 20.0 91.2 % mg/kg MD 25.0 ND 50.0 67.9 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 Mg/kg mg/kg Analy ND 20.0 1 Mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 67.9 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0500 1 06/08/23 ND 0.0250 1 06/08/23 mg/kg mg/kg Analyst: IY ND 20.0 1 06/08/23 mg/kg mg/kg Analyst: KM ND 25.0 1 06/08/23 ND 50.0 1 06/08/23 ND 50.0 1 06/08/23 ND 50.0 1 06/08/23 ND 50.0 1 06/08/23 Mg/kg mg/kg Analyst: BA	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/08/23 06/08/23 ND 0.0500 1 06/08/23 06/08/23 ND 0.0250 1 06/08/23 06/08/23 MD 0.0250 1 06/08/23 06/08/23 mg/kg mg/kg Analyst: IY ND 20.0 1 06/08/23 06/08/23 mg/kg mg/kg Analyst: KM ND 25.0 1 06/08/23 06/08/23 ND 25.0 1 06/08/23 06/09/23 ND 50.0 1 06/08/23 06/09/23 ND 50.0 1 06/08/23 06/09/23



Florence State 23 TB Matador Production Company Project Name: Reported: 3122 National Parks HWY Project Number: 23052-0001 Carlsbad NM, 88220 Project Manager: Ashley Giovengo 6/13/2023 3:54:14PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2323047-BLK1) Prepared: 06/08/23 Analyzed: 06/08/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.87 8.00 98.4 70-130 LCS (2323047-BS1) Prepared: 06/08/23 Analyzed: 06/08/23 4.42 88.5 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.67 0.0250 5.00 93.4 70-130 4.80 0.0250 5.00 95.9 70-130 Toluene 98.5 o-Xylene 4.93 0.0250 5.00 70-130 10.0 96.6 70-130 9.66 0.0500 p.m-Xvlene 97.3 70-130 14.6 15.0 Total Xylenes 0.0250 8.00 99.3 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.94 Matrix Spike (2323047-MS1) Source: E306055-01 Prepared: 06/08/23 Analyzed: 06/08/23 4.48 0.0250 5.00 ND 54-133 Benzene ND 95.1 61-133 Ethylbenzene 4.75 0.0250 5.00 Toluene 4.87 0.0250 5.00 ND 97.4 61-130 5.02 ND 100 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.82 0.0500 10.0 ND 98.2 63-131 14.8 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.96 8.00 Matrix Spike Dup (2323047-MSD1) Source: E306055-01 Prepared: 06/08/23 Analyzed: 06/08/23 4.41 0.0250 5.00 ND 88.1 54-133 1.57 20 4.70 61-133 1.17 0.0250 5.00 ND 94.0 20 Ethylbenzene 61-130 Toluene 4.82 0.0250 5.00 ND 96.3 1.09 20

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

ND

ND

ND

99.1

97.2

97.9

99.8

63-131

63-131

63-131

70-130

1.25

0.978

1.07

20

20

20



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

4.96

9.72

14.7

7.98

Matador Production Company	Project Name:	Florence State 23 TB	Reported:
3122 National Parks HWY	Project Number:	23052-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/13/2023 3:54:14PM

Carlsbad NM, 88220		Project Manage	r: As	hley Gioveng	go			6/	13/2023 3:54:14PN	
	Non	halogenated	Organics l	y EPA 80	15D - GI	RO		Analyst: IY		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2323047-BLK1)							Prepared: 0	6/08/23 Ana	lyzed: 06/08/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.3	70-130				
LCS (2323047-BS2)							Prepared: 0	6/08/23 Ana	lyzed: 06/08/23	
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.0	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130				
Matrix Spike (2323047-MS2)				Source:	E306055-0)1	Prepared: 0	6/08/23 Ana	lyzed: 06/08/23	
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130				
Matrix Spike Dup (2323047-MSD2)				Source:	E306055-0	01	Prepared: 0	6/08/23 Ana	lyzed: 06/08/23	
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130	6.68	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130				

Matador Production CompanyProject Name:Florence State 23 TBReported:3122 National Parks HWYProject Number:23052-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo6/13/20233:54:14PM

Carisbad Nivi, 88220		Project Manage	r: As	miey Gloveng	30			,	3/13/2023 3.34.14FN
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323043-BLK1)							Prepared: 0	6/08/23 An	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	34.2		50.0		68.5	50-200			
LCS (2323043-BS1)							Prepared: 0	6/08/23 An	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	239	25.0	250		95.8	38-132			
Surrogate: n-Nonane	32.8		50.0		65.6	50-200			
Matrix Spike (2323043-MS1)				Source:	E306054-0	01	Prepared: 0	6/08/23 An	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132			
Surrogate: n-Nonane	32.2		50.0		64.4	50-200			
Matrix Spike Dup (2323043-MSD1)				Source:	E306054-	01	Prepared: 0	6/08/23 An	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.9	38-132	1.53	20	
Surrogate: n-Nonane	31.5		50.0		62.9	50-200			

Matador Production Company 3122 National Parks HWY	Project Name: Project Number:	Florence State 23 TB 23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/13/2023 3:54:14PM
	Anions by	EPA 300.0/9056A	Analyst: BA
	P :: 6	7 C B	n n n

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323077-BLK1)							Prepared: 0	6/09/23 Ana	lyzed: 06/09/23
Chloride	ND	20.0							
LCS (2323077-BS1)							Prepared: 0	6/09/23 Ana	lyzed: 06/09/23
Chloride	265	20.0	250		106	90-110			
Matrix Spike (2323077-MS1)				Source:	E306077-	01	Prepared: 0	6/09/23 Ana	lyzed: 06/09/23
Chloride	291	20.0	250	32.8	103	80-120			
Matrix Spike Dup (2323077-MSD1)				Source:	E306077-	01	Prepared: 0	6/09/23 Ana	lyzed: 06/09/23
Chloride	286	20.0	250	32.8	101	80-120	1.63	20	

QC Summary Report Comment:

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



Definitions and Notes

ſ	Matador Production Company	Project Name:	Florence State 23 TB	
l	3122 National Parks HWY	Project Number:	23052-0001	Reported:
١	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/13/23 15:54

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



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Client: M	atador Pr	oduction	Compar	ny l	Bill To			- 1	ab U	se Or	nlv			TAT		EPA P	rogram
	lorence S				Attention: Clint Talley		Lab WC				Number	1D	2D	3D	Standard	CWA	SDW
	lanager: A				Address: On File		E30L		55		1000-620				Х		
	3122 Nat				City, State, Zip: On File						sis and Meth	od					RCR
	e, Zip: Car		M 88220		Phone: 337-319-8398		by										
	75-988-00				Email: clinton.talley@matadorr	esources.com	ORC		1				1			State	
	iovengo@	ensolum	n.com				JRO/	21	00	0	0.00	ΣZ		×	NM CO	UT AZ	TX
Report de				1			RO/I	y 80	y 826	9 601	Je 30				×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by	8015 BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC		GDOC		Remarks	
10:10	6/6/23	S	1 jar		PH01-8.5'	1		1				Х					
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				U.								.04	U.				
Addition	al Instruct	ions: Pr	eserved	on ice. Please cc	agiovengo@ensolum.com, cole.b	urton@ensol	um.com	and o	clinto	n.tal	ley@matad	orreso	ource	s.com	on lab resul	ts.	
, (field samp	ofer), attest to	the validity	and auther	nticity of this sample. I	am aware that tampering with or intentionally	mislabelling the sa	imple locati	on,			es requiring therma						oled or
				may be grounds for le						receive	ed packed in ice at a	an avg te	mp abov	ve 0 but les	s than 6 °C on subs	equent days.	
Relinquishe	ed by: (Signa	iture)	Date	7/23 945	Received by: (Signature) Mucullu Guyou	Date 67.	L3 Time	145	5	Rece	eived on ice:		ab U	se Only	1		
Relinquishe	ed by: (Signa	tore)	Date	Time	D	Date	Time	9				C	,				
	ed by: (Signa		Date	7-23 16.	Received by: (Signature)	6-7-	- 13 1	13	0_	<u>T1</u>		<u>T2</u>			<u>T3</u>		
		Who	10	-8-13 Ol	00 Cotto Me	10/8/2	3 8	:30	5	AVG	Temp °C_	1					
-			0	Aqueous, O - Other	Cucu 11 er	Containe		_									



enviroteche enviroteche

envirotech Inc.

Printed: 6/8/2023 10:25:34AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

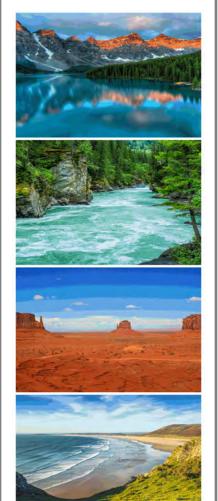
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Production Company	Date Received:	06/08/23 0	8:35	Work Order ID:	E306055
Phone:	(575) 988-0055	Date Logged In:	06/07/23 1	6:07	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	06/14/23 1	7:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Cour	<u>rier</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		Comment	ts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e 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	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C		· • • · · · · · <u> </u>	_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · ·	ners conceica.	105			
	field sample labels filled out with the minimum info	ormation:				
	ample ID?	ormation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
Sample P	<u>reservation</u>					
21. Does	the COC or field labels indicate the samples were pr	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
-	imples required to get sent to a subcontract laborato	rv?	No			
	subcontract laboratory specified by the client and it	-		Subcontract Lab: Na	Α	
				Successifiant Euro, 147		
Chent In	<u>istruction</u>					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Florence State 23 TB

Work Order: E306056

Job Number: 23052-0001

Received: 6/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/13/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/13/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Florence State 23 TB

Workorder: E306056

Date Received: 6/8/2023 8:35:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/8/2023 8:35:00AM, under the Project Name: Florence State 23 TB.

The analytical test results summarized in this report with the Project Name: Florence State 23 TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

-				
ı	Matador Production Company	Project Name:	Florence State 23 TB	Reported:
ı	3122 National Parks HWY	Project Number:	23052-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/13/23 15:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 - 9.5'	E306056-01A	Soil	06/06/23	06/08/23	Glass Jar, 4 oz.



Sample Data

Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/13/2023 3:55:13PM

PH01 - 9.5' E306056-01

	E300030-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: IY		Batch: 2323047
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0500	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
	99.0 %	70-130	06/08/23	06/08/23	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2323047
ND	20.0	1	06/08/23	06/08/23	
	91.0 %	70-130	06/08/23	06/08/23	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2323043
ND	25.0	1	06/08/23	06/09/23	
ND	50.0	1	06/08/23	06/09/23	
	67.6 %	50-200	06/08/23	06/09/23	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2323077
1140	20.0	1	06/09/23	06/09/23	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg MD 20.0 91.0 % mg/kg ND 25.0 ND 50.0 67.6 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 MD 20.02 1 99.0% 70-130 70-130 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1 67.6% 50-200 mg/kg mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0500 1 06/08/23 ND 0.0250 1 06/08/23 mg/kg mg/kg Analyst: IY ND 20.0 1 06/08/23 mg/kg mg/kg Analyst: KM ND 25.0 1 06/08/23 ND 50.0 1 06/08/23 ND 50.0 1 06/08/23 ND 50.0 1 06/08/23 Mg/kg mg/kg Analyst: KM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/08/23 06/08/23 ND 0.0250 1 06/08/23 06/08/23 ND 0.0250 1 06/08/23 06/08/23 ND 0.0500 1 06/08/23 06/08/23 ND 0.0250 1 06/08/23 06/08/23 ND 0.0250 1 06/08/23 06/08/23 MD 0.0250 1 06/08/23 06/08/23 mg/kg mg/kg Analyst: IY ND 20.0 1 06/08/23 06/08/23 mg/kg mg/kg Analyst: KM ND 25.0 1 06/08/23 06/09/23 ND 25.0 1 06/08/23 06/09/23 06/09/23 ND 50.0 1 06/08/23 06/09/23 Mg/kg mg/kg Analyst: BA



Florence State 23 TB Matador Production Company Project Name: Reported: 3122 National Parks HWY Project Number: 23052-0001 Carlsbad NM, 88220 Project Manager: Ashley Giovengo 6/13/2023 3:55:13PM **Volatile Organics by EPA 8021B** Analyst: IY RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2323047-BLK1) Prepared: 06/08/23 Analyzed: 06/08/23 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.87 8.00 98.4 70-130 LCS (2323047-BS1) Prepared: 06/08/23 Analyzed: 06/08/23 4.42 5.00 88.5 70-130 0.0250 Benzene Ethylbenzene 4.67 0.0250 5.00 93.4 70-130 95.9 70-130 4.80 0.0250 5.00 Toluene 4.93 98.5 70-130 o-Xylene 0.0250 5.00 9.66 10.0 96.6 70-130 0.0500 p,m-Xylene 97.3 70-130 14.6 0.0250 15.0 Total Xylenes 8.00 99.3 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.94 Source: E306055-01 Matrix Spike (2323047-MS1) Prepared: 06/08/23 Analyzed: 06/08/23

Matrix Spike Dup (2323047-MSD1)				Source:	E306055-	01	Prepared: 06/08/23 Analyzed: 06/08/23
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	
p,m-Xylene	9.82	0.0500	10.0	ND	98.2	63-131	
o-Xylene	5.02	0.0250	5.00	ND	100	63-131	
Toluene	4.87	0.0250	5.00	ND	97.4	61-130	
Ethylbenzene	4.75	0.0250	5.00	ND	95.1	61-133	
Benzene	4.48	0.0250	5.00	ND	89.5	54-133	

Matrix Spike Dup (2323047-MSD1)	Source:	E306055-	01	Prepared: 06	6/08/23 Analyzed: 06/08/2	23			
Benzene	4.41	0.0250	5.00	ND	88.1	54-133	1.57	20	
Ethylbenzene	4.70	0.0250	5.00	ND	94.0	61-133	1.17	20	
Toluene	4.82	0.0250	5.00	ND	96.3	61-130	1.09	20	
o-Xylene	4.96	0.0250	5.00	ND	99.1	63-131	1.25	20	
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	63-131	0.978	20	
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131	1.07	20	
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Production CompanyProject Name:Florence State 23 TBReported:3122 National Parks HWYProject Number:23052-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo6/13/20233:55:13PM

Carlsbad NM, 88220		Project Manage	r: As	hley Gioveng	go			6/1	3/2023 3:55:13PM
	Non	Analyst: IY							
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2323047-BLK1)							Prepared: 0	6/08/23 Anal	yzed: 06/08/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.3	70-130			
LCS (2323047-BS2)							Prepared: 0	6/08/23 Anal	yzed: 06/08/23
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			
Matrix Spike (2323047-MS2)				Source:	E306055-	01	Prepared: 0	6/08/23 Anal	yzed: 06/08/23
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			
Matrix Spike Dup (2323047-MSD2)				Source:	E306055-	01	Prepared: 0	6/08/23 Anal	yzed: 06/08/23
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130	6.68	20	

8.00

7.43

92.9

70-130

Matador Production Company 3122 National Parks HWY	Project Name: Project Number:	Florence State 23 TB 23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/13/2023 3:55:13PM

Carisbad NWI, 88220		Project Manager	. As	mey Gloveng	30				0/13/2023 3.33.13FF
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323043-BLK1)							Prepared: 0	6/08/23 Aı	nalyzed: 06/09/23
riesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	34.2		50.0		68.5	50-200			
.CS (2323043-BS1)							Prepared: 0	6/08/23 Aı	nalyzed: 06/09/23
riesel Range Organics (C10-C28)	239	25.0	250		95.8	38-132			
urrogate: n-Nonane	32.8		50.0		65.6	50-200			
Aatrix Spike (2323043-MS1)				Source:	E306054-0	01	Prepared: 0	6/08/23 Aı	nalyzed: 06/09/23
riesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132			
urrogate: n-Nonane	32.2		50.0		64.4	50-200			
Matrix Spike Dup (2323043-MSD1)				Source:	E306054-0	01	Prepared: 0	6/08/23 Aı	nalyzed: 06/09/23
tiesel Range Organics (C10-C28)	235	25.0	250	ND	93.9	38-132	1.53	20	

Chloride

QC Summary Data

Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager	2.	lorence State 2 3052-0001 shley Gioveng					Reported: 6/13/2023 3:55:13PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: BA
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD	RPD Limit	Notes
			99	6.115	70	70			
Blank (2323077-BLK1)							Prepared: 0	6/09/23 A	nalyzed: 06/09/23
Chloride	ND	20.0							
LCS (2323077-BS1)							Prepared: 0	6/09/23 A	nalyzed: 06/09/23
Chloride	265	20.0	250		106	90-110			
Matrix Spike (2323077-MS1)				Source:	E306077-	01	Prepared: 0	6/09/23 A	nalyzed: 06/09/23
Chloride	291	20.0	250	32.8	103	80-120			
Matrix Spike Dup (2323077-MSD1)				Source:	E306077-	01	Prepared: 0	6/09/23 A	nalvzed: 06/09/23

250

20.0

80-120

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

Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/13/23 15:55

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



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Project: F	lorence S	tate 23 T	В		Attention: Clint Talley		Lab WO#				Number	1D	2D	1,750,00	Standard	CWA	SDW	
	lanager: A			/av	Address: On File City, State, Zip: On File	ddress: On File				a/S	sis and Metho	<u></u>			X		RCF	
	State, Zip: Carlsbad, NM 88220 Phone: 337-319-8398				12	è		T		Allaly	7515 and Metric	T					NCI	
			Email: clinton.talley@matadorre	esources.com	ORO	ORO	ORO	ORO	ТРН GRO/DRO/ORO by 8015 ВТЕХ by 8021								State	
Email: ag Report di		ensolum	n.com				DRO/	021	021	10	0.00	ΣZ		X	NM CO	UT AZ	TX	
Time	Date		No. of	Iv.		Lab	SRO/	by 80	VOC by 8260	ls 60	Chloride 300.0	00		-	×			
Sampled	Sampled	Matrix	Containers	Sample ID		Number	TPH (BTEX by 8021	VOC	Metals 6010	Chlor	BGDOC		GDOC		Remarks		
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ddition	al Instruct	ions: Pr	eserved	on ice. Please c	c agiovengo@ensolum.com, cole.b	urton@ensol	ım.com a	and o	linto	n.tal	ley@matado	rresc	ource	s.com	on lab resul	ts.		
					I am aware that tampering with or intentionally	mislabelling the sa	mple location	on,			es requiring thermal						oled or	
late or time	of collection d by:/Signa	is considere	d fraud and Date	I may be grounds for Time	egal action. Sampled by: Received by: (Signature)	Date	Time			receive	ed packed in ice at ar	7-5-6		se Only		equent days.	-	
ex.	1/2	11	61	7/23 94	5 Michille Cuncell	Co-7-	23 9	45	5	Rece	eived on ice:		7)/ N					
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Relinquishe	d by: (Signa	iture)	Date		Received by: (Signature)	Date	Time			11		11			_ 13			
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e client expense. The report for the analysis of the t.

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Printed: 6/8/2023 10:28:30AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Production Company	Date Received:	06/08/23 08	-25		Work Order ID:	E306056
Phone:	(575) 988-0055	Date Logged In:	06/07/23 16			Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	06/14/23 17	7:00 (4 day TAT)			
Chain o	f Custody (COC)						
1. Does 1	the sample ID match the COC?		Yes				
	the number of samples per sampling site location ma	tch the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	ourier		
4. Was tl	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	_			
5. Were	all samples received within holding time?	-	Yes				
	Note: Analysis, such as pH which should be conducted in					Comment	s/Resolution
G1-	i.e, 15 minute hold time, are not included in this disucssi	on.		Г		Comment	3/1xc3otation
	Turn Around Time (TAT)		V				
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample			Van				
	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
	ne sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes				
13. If no	visible ice, record the temperature.	temperature: 4°	<u>C</u>				
Sample	<u>Container</u>						
14. Are a	aqueous VOC samples present?		No				
15. Are	VOC samples collected in VOA Vials?		NA				
16. Is the	e 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 1	non-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field La	<u>bel</u>						
20. Were	field sample labels filled out with the minimum info	ormation:					
	Sample ID?		Yes				
	Date/Time Collected?		Yes				
	Collectors name?		Yes				
	Preservation the COC or field lebels indicate the semantes were m		NI-				
	the COC or field labels indicate the samples were property and the company of the	reserved?	No				
	sample(s) correctly preserved? of filteration required and/or requested for dissolved n	natole?	NA Na				
	•	iletais:	No				
	ase Sample Matrix	o.					
	the sample have more than one phase, i.e., multipha		No				
27. If ye	s, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcont	ract Laboratory						
28. Are s	samples required to get sent to a subcontract laborato	ry?	No				
29. Was	a subcontract laboratory specified by the client and it	f so who?	NA S	Subcontract Lab	: NA		
Client I	nstruction						

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Florence State 23 TB

Work Order: E306061

Job Number: 23052-0001

Received: 6/8/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/16/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/16/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Florence State 23 TB

Workorder: E306061

Date Received: 6/8/2023 8:35:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/8/2023 8:35:00AM, under the Project Name: Florence State 23 TB.

The analytical test results summarized in this report with the Project Name: Florence State 23 TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

Γ	Matador Production Company	Project Name:	Florence State 23 TB	Donoutoda
١	3122 National Parks HWY	Project Number:	23052-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/16/23 12:51

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH02 - 0'	E306061-01A Soil	06/06/23	06/08/23	Glass Jar, 4 oz.
PH02 - 1'	E306061-02A Soil	06/06/23	06/08/23	Glass Jar, 4 oz.
PH02 - 2'	E306061-03A Soil	06/06/23	06/08/23	Glass Jar, 4 oz.
PH02 - 3'	E306061-04A Soil	06/06/23	06/08/23	Glass Jar. 4 oz.



Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/16/2023 12:51:21PM

PH02 - 0' E306061-01

	E300001-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
ma/ka	ma/ka	Δnal	•	<u> </u>	Batch: 2323047
				06/08/22	Batch. 2323047
		1			
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0500	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
	96.3 %	70-130	06/08/23	06/08/23	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2323047
ND	20.0	1	06/08/23	06/08/23	
	90.7 %	70-130	06/08/23	06/08/23	
mg/kg	mg/kg	Anal	yst: KM		Batch: 2323043
131	25.0	1	06/08/23	06/10/23	
211	50.0	1	06/08/23	06/10/23	
	68.6 %	50-200	06/08/23	06/10/23	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2324007
2570	40.0	2	06/12/23	06/14/23	
	mg/kg ND ND ND ND ND ND ND The state of the	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 90.7 % mg/kg mg/kg mg/kg 131 25.0 211 50.0 68.6 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Anal ND 20.0 1 90.7 % 70-130 70-130 mg/kg mg/kg Anal 131 25.0 1 211 50.0 1 68.6 % 50-200 mg/kg mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: 1Y ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0500 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 mg/kg mg/kg Analyst: IY ND 20.0 1 06/08/23 mg/kg mg/kg Analyst: KM 131 25.0 1 06/08/23 211 50.0 1 06/08/23 mg/kg mg/kg Analyst: KM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/08/23 06/08/23 ND 0.0500 1 06/08/23 06/08/23 ND 0.0250 1 06/08/23 06/08/23 Mg/kg mg/kg Analyst: IY ND 06/08/23 06/08/23 Mg/kg mg/kg Analyst: KM Analyst: KM 06/08/23 06/08/23 131 25.0 1 06/08/23 06/10/23 211 50.0 1 06/08/23 06/10/23 68.6 % 50-200 06/08/23 06/10/23 mg/kg mg/kg Analyst: BA



Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/16/2023 12:51:21PM

PH02 - 1'

		E306061-02				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2323047
Benzene	ND	0.0250	1	06/08/23	06/08/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/08/23	
Toluene	ND	0.0250	1	06/08/23	06/08/23	
o-Xylene	ND	0.0250	1	06/08/23	06/08/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/08/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/08/23	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	06/08/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2323047
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	06/08/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2323043
Diesel Range Organics (C10-C28)	133	25.0	1	06/08/23	06/10/23	
Oil Range Organics (C28-C36)	380	50.0	1	06/08/23	06/10/23	
Surrogate: n-Nonane		71.4 %	50-200	06/08/23	06/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2324007
Chloride	254	20.0	1	06/12/23	06/14/23	



Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/16/2023 12:51:21PM

PH02 - 2'

		E306061-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2323047
Benzene	ND	0.0250	1	06/08/23	06/08/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/08/23	
Toluene	ND	0.0250	1	06/08/23	06/08/23	
o-Xylene	ND	0.0250	1	06/08/23	06/08/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/08/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/08/23	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	06/08/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2323047
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	06/08/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2323043
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/10/23	
Surrogate: n-Nonane		65.6 %	50-200	06/08/23	06/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2324007
Chloride	320	20.0	1	06/12/23	06/14/23	



Sample Data

Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/16/2023 12:51:21PM

PH02 - 3'

E306061-04						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2323047
Benzene	ND	0.0250	1	06/08/23	06/08/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/08/23	
Toluene	ND	0.0250	1	06/08/23	06/08/23	
o-Xylene	ND	0.0250	1	06/08/23	06/08/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/08/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/08/23	
Surrogate: 4-Bromochlorobenzene-PID		95.8 %	70-130	06/08/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2323047
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	06/08/23	06/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2323043
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/10/23	
Surrogate: n-Nonane		68.9 %	50-200	06/08/23	06/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2324007
Chloride	235	20.0	1	06/12/23	06/14/23	



Total Xylenes

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 4-Bromochlorobenzene-PID

Matrix Spike Dup (2323047-MSD1)

QC Summary Data

Florence State 23 TB Matador Production Company Project Name: Reported: 3122 National Parks HWY Project Number: 23052-0001 Carlsbad NM, 88220 Project Manager: Ashley Giovengo 6/16/2023 12:51:21PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2323047-BLK1) Prepared: 06/08/23 Analyzed: 06/08/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.87 8.00 98.4 70-130 LCS (2323047-BS1) Prepared: 06/08/23 Analyzed: 06/08/23 4.42 5.00 88.5 70-130 Benzene 0.0250 Ethylbenzene 4.67 0.0250 5.00 93.4 70-130 4.80 0.0250 5.00 95.9 70-130 Toluene 98.5 o-Xylene 4.93 0.0250 5.00 70-130 10.0 96.6 70-130 9.66 0.0500 p.m-Xvlene 97.3 70-130 14.6 0.0250 15.0 Total Xylenes 8.00 99.3 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.94 Matrix Spike (2323047-MS1) Source: E306055-01 Prepared: 06/08/23 Analyzed: 06/08/23 4.48 0.0250 5.00 ND 54-133 Benzene ND 95.1 61-133 Ethylbenzene 4.75 0.0250 5.00 Toluene 4.87 0.0250 5.00 ND 97.4 61-130 5.02 5.00 ND 100 63-131 0.0250 o-Xylene p,m-Xylene 9.82 0.0500 10.0 ND 98.2 63-131

15.0

8.00

5.00

5.00

5.00

5.00

10.0

15.0

8.00

ND

ND

ND

ND

ND

ND

ND

Source: E306055-01

88.1

94.0

96.3

99.1

97.2

97.9

99.8

63-131

70-130

54-133

61-133

61-130

63-131

63-131

63-131

70-130

1.57

1.17

1.09

1.25

0.978

1.07

0.0250

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

7.96

4.41

4.70

4.82

4.96

9.72

14.7

7.98

Prepared: 06/08/23 Analyzed: 06/08/23

20

20

20

20

20

20

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Production CompanyProject Name:Florence State 23 TBReported:3122 National Parks HWYProject Number:23052-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo6/16/2023 12:51:21PM

Carlsbad NM, 88220		Project Manage	r: As	shley Gioveng	go			6/1	6/2023 12:51:21PM		
	Nor	nhalogenated	Organics l	by EPA 80	15D - G	RO			Analyst: IY		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2323047-BLK1)							Prepared: 0	6/08/23 Anal	yzed: 06/08/23		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.3	70-130					
LCS (2323047-BS2)							Prepared: 0	6/08/23 Anal	yzed: 06/08/23		
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.0	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130					
Matrix Spike (2323047-MS2)				Source:	E306055-	01	Prepared: 0	6/08/23 Anal	yzed: 06/08/23		
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130					
Matrix Spike Dup (2323047-MSD2)				Source:	E306055-	01	Prepared: 0	6/08/23 Anal	yzed: 06/08/23		
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130	6.68	20			

8.00

7.43

92.9

70-130

Matador Production CompanyProject Name:Florence State 23 TBReported:3122 National Parks HWYProject Number:23052-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo6/16/2023 12:51:21PM

Carisbad Nivi, 88220		Project Manage	r: As	miey Gloveng	30			0/	10/2023 12.31.21FF
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323043-BLK1)							Prepared: 0	6/08/23 Ana	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	34.2		50.0		68.5	50-200			
LCS (2323043-BS1)							Prepared: 0	6/08/23 Ana	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	239	25.0	250		95.8	38-132			
Surrogate: n-Nonane	32.8		50.0		65.6	50-200			
Matrix Spike (2323043-MS1)				Source:	E306054-0	01	Prepared: 0	6/08/23 Ana	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132			
Surrogate: n-Nonane	32.2		50.0		64.4	50-200			
Matrix Spike Dup (2323043-MSD1)				Source:	E306054-	01	Prepared: 0	6/08/23 Ana	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.9	38-132	1.53	20	
Surrogate: n-Nonane	31.5		50.0		62.9	50-200			

Matrix Spike Dup (2324007-MSD1)

Chloride

1890

20.0

QC Summary Data

Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number Project Manage	:	Florence State 2 23052-0001 Ashley Giovens				6/	Reported: /16/2023 12:51:21PM
<u> </u>				300.0/9056	A				Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2324007-BLK1)							Prepared: 0	6/12/23 Ana	alyzed: 06/14/23
Chloride	ND	20.0							
LCS (2324007-BS1)							Prepared: 0	6/12/23 Ana	alyzed: 06/14/23
Chloride	263	20.0	250		105	90-110			
Matrix Spike (2324007-MS1)				Source:	E306057-	-01	Prepared: 0	6/12/23 Ana	alyzed: 06/14/23
Chloride	1680	20.0	250	1390	114	80-120			

250

Source: E306057-01

198

80-120

11.8

1390

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.



Prepared: 06/12/23 Analyzed: 06/14/23

20

M2

Definitions and Notes

ſ	Matador Production Company	Project Name:	Florence State 23 TB	
l	3122 National Parks HWY	Project Number:	23052-0001	Reported:
١	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/16/23 12:51

M2 Matrix spike recovery was outside quality control limits. The associated 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.



_	Received by
	OCD:
	1/22/202
	4 10:24:0
	OAM

	latador Pr			יאַ	Bill To			L	ab U	se Or	nly	7		T	AT	EPA P	rograr
	Florence S				Attention: Clint Talley		Lab WO	# ~/	-1	Job	Number	1D	2D	3D		CWA	SDV
	/Janager:				Address: On File		E301	100			3050-0001				X		-
	3122 Nat e, Zip: Ca				City, State, Zip: On File Phone: 337-319-8398		1>		1	Analy	ysis and Metho	od T	1				RC
	75-988-0		141 00220	4	Email: clinton.talley@matador	rresources com	80 b									State	
	iovengo@		n.com		Email: clinicon: calley@matadol	resources.com	0/0				0	>			NMI CO	UT AZ	TX
Report d							NO/OR	8021	3260	010	300.	N		X	×	0.1	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC		GDOC		Remarks	
11:22	6/6/23	S	1 jar		PH02-01'	1						х			ME		
11:29	6/6/23	S	1 jar		PH02-1'	2						х					
11:33	6/6/23	S	1 jar		PH02-2'	3						х					
11:38	6/6/23	S	1 jar		PH02-3'	4				*-1		х					
Addition	al Instruc	tions: Pr	eserved	on ice. Please c	c agiovengo@ensolum.com, cole.	burton@ensol	ım.com a	nd c	linto	n.tal	ley@matado	rresc	urce	s.con	n on lab resul	ts.	
late or time	of collection	isconsidere	d fraud and	d may be grounds for	I am aware that tampering with or intentional legal action. Sampled by:	lly mislabelling the sa	mple locatio	n,							eceived on ice the day less than 6 °C on subs		led or
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envirotech Inc.

Printed: 6/8/2023 10:43:21AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Claim Mandor Productions Company Mandor Productions Company Mandor Productions Company Due Date: On 1472 11780 Lagged in By: Catilis Mars Chain of Cinterder (COC) Lings of in By: Catilis Mars Chain of Cinterder (COC) Lings of in By: Catilis Mars Company Chain of Cinterder (COC) Lings of Cinterder (COC) Lings of in By: Catilis Mars Now complete deeped off by client or carrie? We be COC complete, i.e., signatures, detections, requested analyses? New and analysis, used any all which should be condensed in the field, i.e. is 5 minute hold time, are not included in that disconsists. Sample Thrus Around Time (TAT) Coll the COC indicate standard TAT, or Expedited TAT? Yes Sample Cooler Yes Sumple cooler received in good condition? Yes Sumple cooler received in good condition? Yes Sumple cooler received in good condition? Yes Sumple Cooler No We the anample's cooler on cooler in good condition? Yes Sumple Cooler No Sum in the cooler of the Cooler No Sum in the cooler on cooler on cooler in good condition? Yes Sumple Cooler received in good condition? Yes Sumple Cooler received in good condition? Yes Sumple Cooler received in good condition? No Sum is sumple toward on cooler if you, the recorded length in Cooler in the Cooler on Cooler in Cooler		in the policy concerning these results (1) and 2 is now 2		<u> </u>				
Email: agiovapa@emolan.com Dae Date: 06/14/23 17:00 (4 day TAT)	Client:	Matador Production Company	Date Received:	06/08/23	08:35		Work Order ID:	E306061
Californ of Custody (COC) 1. Does the sample 1D match the COC Yes	Phone:	(575) 988-0055	Date Logged In:	06/07/23	16:18		Logged In By:	Caitlin Mars
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Signature of client authorizing changes to the COC or sample disposition.

Project Information

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or disposed of at the client expense. The report for the analysis of the paid for on the report.

Page 123 of 187

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Florence State 23 TB

Work Order: E306062

Job Number: 23052-0001

Received: 6/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/14/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/14/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Florence State 23 TB

Workorder: E306062

Date Received: 6/8/2023 8:35:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/8/2023 8:35:00AM, under the Project Name: Florence State 23 TB.

The analytical test results summarized in this report with the Project Name: Florence State 23 TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Cell: 775-287-1762

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ljarboe@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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ſ	Matador Production Company	Project Name:	Florence State 23 TB	Reported:
ı	3122 National Parks HWY	Project Number:	23052-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/14/23 14:44

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH02 - 4'	E306062-01A	Soil	06/06/23	06/08/23	Glass Jar, 4 oz.



Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/14/2023 2:44:12PM

PH02 - 4' E306062-01

	E500002-01					
D14	Reporting		4:	D	A l J	Notes
Result	Limit	Dilu	luon	Prepared	Anaiyzed	Notes
mg/kg	mg/kg		Analyst: 1	IY		Batch: 2323046
ND	0.0250	1	1	06/08/23	06/09/23	
ND	0.0250	1	1	06/08/23	06/09/23	
ND	0.0250	1	1	06/08/23	06/09/23	
ND	0.0250	1	1	06/08/23	06/09/23	
ND	0.0500	1	1	06/08/23	06/09/23	
ND	0.0250	1	1	06/08/23	06/09/23	
	100 %	70-130		06/08/23	06/09/23	
	100 %	70-130		06/08/23	06/09/23	
	102 %	70-130		06/08/23	06/09/23	
mg/kg	mg/kg		Analyst: 1	IY		Batch: 2323046
ND	20.0	1	l	06/08/23	06/09/23	
	100 %	70-130		06/08/23	06/09/23	
	100 %	70-130		06/08/23	06/09/23	
	102 %	70-130		06/08/23	06/09/23	
mg/kg	mg/kg		Analyst: 1	KM		Batch: 2323043
ND	25.0	1	1	06/08/23	06/10/23	
ND	50.0	1	1	06/08/23	06/10/23	
	67.5 %	50-200		06/08/23	06/10/23	
mg/kg	mg/kg		Analyst: 1	BA		Batch: 2324007
246	20.0	1	1	06/12/23	06/14/23	_
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Matador Production CompanyProject Name:Florence State 23 TBReported:3122 National Parks HWYProject Number:23052-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo6/14/20232:44:12PM

Carisbad Ivivi, 88220		Project Manage	r: As	sniey Gioveng	30			0/1-	4/2023 2.44.12FN
	V	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323046-BLK1)	(2323046-BLK1) Prepared: 06/0								
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	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
LCS (2323046-BS1)							Prepared: 0	6/08/23 Analy	yzed: 06/08/23
Benzene	2.46	0.0250	2.50		98.3	70-130			
Ethylbenzene	2.43	0.0250	2.50		97.2	70-130			
Toluene	2.46	0.0250	2.50		98.3	70-130			
o-Xylene	2.51	0.0250	2.50		100	70-130			
p,m-Xylene	4.95	0.0500	5.00		99.0	70-130			
Total Xylenes	7.46	0.0250	7.50		99.5	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			
Matrix Spike (2323046-MS1)				Source:	E306053-	07	Prepared: 0	6/08/23 Analy	yzed: 06/08/23
Benzene	2.53	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.52	0.0250	2.50	ND	101	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.58	0.0250	2.50	ND	103	43-135			
p,m-Xylene	5.10	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.67	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
Matrix Spike Dup (2323046-MSD1)				Source:	E306053-	07	Prepared: 0	6/08/23 Analy	yzed: 06/09/23
Benzene	2.39	0.0250	2.50	ND	95.6	48-131	5.67	23	
Ethylbenzene	2.39	0.0250	2.50	ND	95.6	45-135	5.25	27	
Toluene	2.42	0.0250	2.50	ND	96.8	48-130	5.27	24	
o-Xylene	2.41	0.0250	2.50	ND	96.3	43-135	6.80	27	
p,m-Xylene	4.81	0.0500	5.00	ND	96.2	43-135	5.82	27	
Total Xylenes	7.22	0.0250	7.50	ND	96.2	43-135	6.15	27	
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130			



0.500

0.500

98.4

102

70-130

70-130

0.492

0.508

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Matador Production CompanyProject Name:Florence State 23 TBReported:3122 National Parks HWYProject Number:23052-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo6/14/20232:44:12PM

Nonhalogenated	Organics by	v EPA 8015D	- GRO

Analyst: IY

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

	Result	Lillit	LCVCI	resurt	KCC	Limits	ICI D	Lillit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323046-BLK1)							Prepared: 0	6/08/23 A	Analyzed: 06/08/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
LCS (2323046-BS2)							Prepared: 0	6/08/23 A	Analyzed: 06/08/23
Gasoline Range Organics (C6-C10)	62.1	20.0	50.0		124	70-130			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
Matrix Spike (2323046-MS2)				Source:	E306053-	07	Prepared: 0	6/08/23 A	Analyzed: 06/08/23
Gasoline Range Organics (C6-C10)	63.6	20.0	50.0	ND	127	70-130			
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			
Matrix Spike Dup (2323046-MSD2)				Source:	E306053-	07	Prepared: 0	6/08/23 A	Analyzed: 06/09/23
Gasoline Range Organics (C6-C10)	59.9	20.0	50.0	ND	120	70-130	6.08	20	
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			



Matador Production Company	Project Name:	Florence State 23 TB	Reported:
3122 National Parks HWY	Project Number:	23052-0001	•
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/14/2023 2:44:12PM

Carisbad NM, 88220		Project Manage	r. As	niey Gioveng	go			C	0/14/2023 2:44:12PI
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323043-BLK1)							Prepared: 0	6/08/23 An	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	34.2		50.0		68.5	50-200			
LCS (2323043-BS1)							Prepared: 0	6/08/23 An	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	239	25.0	250		95.8	38-132			
urrogate: n-Nonane	32.8		50.0		65.6	50-200			
Matrix Spike (2323043-MS1)				Source:	E306054-	01	Prepared: 0	6/08/23 An	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132			
urrogate: n-Nonane	32.2		50.0		64.4	50-200			
Matrix Spike Dup (2323043-MSD1)				Source:	E306054-	01	Prepared: 0	6/08/23 An	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.9	38-132	1.53	20	
hurrogate: n-Nonane	31.5		50.0		62.9	50-200			

Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager	2	Torence State 2 3052-0001 Ashley Giovens			Reported: 6/14/2023 2:44:12PM		
	Anions by EPA 300.0/9056A								
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
Blank (2324007-BLK1)	mg/kg	mg/kg	mg/kg	mg/kg	%	%	% Prepared: 0	6/12/23	Notes Analyzed: 06/14/23
Chloride	ND	20.0							•

LCS (2324007-BS1)							Prepared: 0	06/12/23	Analyzed: 06/14/23	
Chloride	263	20.0	250		105	90-110				
Matrix Spike (2324007-MS1)				Source:	E306057-0	1	Prepared: 0	06/12/23	Analyzed: 06/14/23	
Chloride	1680	20.0	250	1390	114	80-120				
Matrix Spike Dup (2324007-MSD1)				Source:	E306057-0	1	Prepared: (06/12/23	Analyzed: 06/14/23	
Chloride	1890	20.0	250	1390	198	80-120	11.8	20	M2	

QC Summary Report Comment:

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



Definitions and Notes

ſ	Matador Production Company	Project Name:	Florence State 23 TB	
١	3122 National Parks HWY	Project Number:	23052-0001	Reported:
١	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/14/23 14:44

M2 Matrix spike recovery was outside quality control limits. The associated 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, Eforemer, State 23 TB Project, Manager, Ashley Giovengo Address; 3122 National Parks Highway Clark State, Zip; On File Chy, State, Zip; O	Client: N	1atador Pi	roduction	Compar	ny	Bill To				La	ab U	se On	ly		1		Т	AT		EPA Pi	ogram
Address 312.2 National Parks Highway City, State, 2ii. 2ii. 7ii. File Phone: 37.319.8398 Email: clinton.talley@matadorresources.com Report due by: Time Sampled Sampled Sampled Sampled Matrix Constants 11:44 6/6/23 S 1 jar PH02-4' I I I I I I I I I I I I I I I I I I I	Project:	Florence S	State 23	ТВ		Attention: Clint Talley		La	b WO	#		Job I	Num	ber	1D	2D	3D	St	andard		
Address 312.2 National Parks Highway City, State, 2ii. 2ii. 7ii. File Phone: 37.319.8398 Email: clinton.talley@matadorresources.com Report due by: Time Sampled Sampled Sampled Sampled Matrix Constants 11:44 6/6/23 S 1 jar PH02-4' I I I I I I I I I I I I I I I I I I I	Project N	Manager:	Ashley G	iovengo		Address: On File		E	301	ode	02	231	52	-000					Χ		
Phone: 575-988-0055 Time Date Sampled Matrix Citical Sample ID Number 11:44 6/6/23 S 1 jar PH02-4' PH02-4'	Address:	3122 Nat	tional Par	rks Highw	/ay	City, State, Zip: On File													A 124		RCRA
Additional Instructions: Preserved on ice. Please cc agiovengo@ensolum.com, cole.burton@ensolum.com and clinton.talley@matadorresources.com on lab results. Additional Instructions: Preserved on ice. Please cc agiovengo@ensolum.com, cole.burton@ensolum.com and clinton.talley@matadorresources.com on lab results. I, (field sampler), atyset to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, and the opening by a significant in collision of significant in collisions of significant collisions of sign	City, Stat	te, Zip: Ca	rlsbad, N	IM 88220		Phone: 337-319-8398			þý								1				
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date of time of collection is considered fraud and may be grounds for legal action. Relinquished by: (Signature) Date (17/23	Addition	al Instruc	tions: Pr	reserved	on ice. Please	cc agiovengo@ensolum.com, cole.bur	ton@ensol	um.	.com a	and c	linto	n.tall	ey@	matado	rres	ourc	es.co	m on	lab result	ts.	
date of time of collection is considered fraud and may be grounds for legal action. Relinquished by: (Signature) Date (17/23																					
Relinquished by: (Signature) Received by: (Signature) Date (17/23) Time (17/23) Time (17/23) Received by: (Signature) Date (17/23) Time (17/23) Received by: (Signature) Date (17/23) Time (17/23) Time (17/23) Time (17/23) Received by: (Signature) Date (17/23) Time (17/23) Time (17/23) Time (17/23) Time (17/23) Received by: (Signature) Date (17/23) Time (1							slabelling the s	ampl	le locatio	n,											led or
Relinquished by (Signature) Date Time Beceived by: (Signature) Date Time Date Time Date Time Date Time Date				-								receive	u pack	ed in ice at a					and Consubse	equent days.	
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	(1)	e h			17/23 19	45 Received by: (Signature) 45 Michella Guntale	Date 670	13	Time 9	45		Rece	eived	on ice:	6	ab t	Jse O N	nly			
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	Relinquish	ed by (Sigh	ature	Date		Received by: (Signature)	Muss 6-7-23 1736 T1 T2						T3								
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	Relinquish	ed by: (Sign	aturg)			Received by: (Signature)	Date In	2	Time	3	_	AVC	Ton	00 6	4						
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envirotech

envirotech Inc.

Printed: 6/8/2023 10:45:40AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Production Company	Date Received:	06/08/23 (08:35	Work Order ID:	E306062
Phone:	(575) 988-0055	Date Logged In:	06/07/23 1	6:20	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	06/14/23	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Cou	<u>ırier</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes		<u>Commen</u>	nts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e 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	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C		· · · · · · <u>—</u>	_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · ·	ners conceica.	105			
	field sample labels filled out with the minimum info	ormation:				
	ample ID?	mation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
Sample P	<u>reservation</u>					
21. Does	the COC or field labels indicate the samples were pr	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
-	imples required to get sent to a subcontract laborato	rv?	No			
	subcontract laboratory specified by the client and it	-	NA	Subcontract Lab: N	JA	
				Subcontract Eur. 1	17.1	
Chent In	<u>istruction</u>					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Florence State 23 TB

Work Order: E306063

Job Number: 23052-0001

Received: 6/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/14/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/14/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Florence State 23 TB

Workorder: E306063

Date Received: 6/8/2023 8:35:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/8/2023 8:35:00AM, under the Project Name: Florence State 23 TB.

The analytical test results summarized in this report with the Project Name: Florence State 23 TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

_				
ſ	Matador Production Company	Project Name:	Florence State 23 TB	Reported:
١	3122 National Parks HWY	Project Number:	23052-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/14/23 14:45

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH02 - 5'	E306063-01A Soil	06/06/23	06/08/23	Glass Jar, 4 oz.



Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/14/2023 2:45:59PM

PH02 - 5' E306063-01

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2323046
Benzene	ND	0.0250		1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250		1	06/08/23	06/09/23	
Toluene	ND	0.0250		1	06/08/23	06/09/23	
o-Xylene	ND	0.0250		1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500		1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250		1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		101 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8		103 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY	Batch: 2323046	
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		101 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8		103 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2323043
Diesel Range Organics (C10-C28)	ND	25.0		1	06/08/23	06/10/23	
Oil Range Organics (C28-C36)	ND	50.0		1	06/08/23	06/10/23	
Surrogate: n-Nonane		63.7 %	50-200		06/08/23	06/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2324007
Chloride	345	20.0		1	06/12/23	06/14/23	



Matador Production Company Project Name: Florence State 23 TB

Reported:
3122 National Parks HWY Project Number: 23052-0001

Carlsbad NM, 88220 Project Manager: Ashley Giovengo 6/14/2023 2:45:59PM

Carlsbad NM, 88220		Project Manager	:: As	shley Gioveng	go			6/1	4/2023 2:45:59PN
	V	olatile Organi	ic Compo	ınds by EI	PA 82601	3			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323046-BLK1)							Prepared: 0	5/08/23 Analy	yzed: 06/08/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Foluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
LCS (2323046-BS1)							Prepared: 0	5/08/23 Analy	yzed: 06/08/23
Benzene	2.46	0.0250	2.50		98.3	70-130			
Ethylbenzene	2.43	0.0250	2.50		97.2	70-130			
Toluene	2.46	0.0250	2.50		98.3	70-130			
o-Xylene	2.51	0.0250	2.50		100	70-130			
o,m-Xylene	4.95	0.0500	5.00		99.0	70-130			
Total Xylenes	7.46	0.0250	7.50		99.5	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			
Matrix Spike (2323046-MS1)				Source:	E306053-	07	Prepared: 0	5/08/23 Analy	yzed: 06/08/23
Benzene	2.53	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.52	0.0250	2.50	ND	101	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.58	0.0250	2.50	ND	103	43-135			
o,m-Xylene	5.10	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.67	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
Matrix Spike Dup (2323046-MSD1)					E306053-	07	•		yzed: 06/09/23
Benzene	2.39	0.0250	2.50	ND	95.6	48-131	5.67	23	
Ethylbenzene	2.39	0.0250	2.50	ND	95.6	45-135	5.25	27	
Toluene	2.42	0.0250	2.50	ND	96.8	48-130	5.27	24	
o-Xylene	2.41	0.0250	2.50	ND	96.3	43-135	6.80	27	
o,m-Xylene	4.81	0.0500	5.00	ND	96.2	43-135	5.82	27	
Total Xylenes	7.22	0.0250	7.50	ND	96.2	43-135	6.15	27	
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130			

0.500

0.500

98.4

102

70-130

70-130

0.492

0.508

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Florence State 23 TB Matador Production Company Project Name: Reported: 3122 National Parks HWY Project Number: 23052-0001 Carlsbad NM, 88220 Project Manager: Ashley Giovengo 6/14/2023 2:45:59PM

Nonhalogenated	Organics	by EPA	8015D -	GRO

st: I

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

	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323046-BLK1)							Prepared: 00	5/08/23 Ana	lyzed: 06/08/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
LCS (2323046-BS2)							Prepared: 0	6/08/23 Ana	lyzed: 06/08/23
Gasoline Range Organics (C6-C10)	62.1	20.0	50.0		124	70-130		·	·
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
Matrix Spike (2323046-MS2)				Source:	E306053-0	07	Prepared: 0	6/08/23 Ana	lyzed: 06/08/23
Gasoline Range Organics (C6-C10)	63.6	20.0			105	50.120			
	05.0	20.0	50.0	ND	127	70-130			
Surrogate: Bromofluorobenzene	0.507	20.0	0.500	ND	101	70-130			
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4		20.0		ND					
Surrogate: 1,2-Dichloroethane-d4	0.507	20.0	0.500	ND	101	70-130			
•	0.507 0.487	20.0	0.500 0.500		101 97.3	70-130 70-130 70-130	Prepared: 00	5/08/23 Ana	lyzed: 06/09/23
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.507 0.487	20.0	0.500 0.500		101 97.3 104	70-130 70-130 70-130	Prepared: 00	6/08/23 Ana 20	lyzed: 06/09/23
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2323046-MSD2)	0.507 0.487 0.520		0.500 0.500 0.500	Source:	101 97.3 104 E306053- (70-130 70-130 70-130	•		lyzed: 06/09/23
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2323046-MSD2) Gasoline Range Organics (C6-C10)	0.507 0.487 0.520		0.500 0.500 0.500	Source:	101 97.3 104 E306053-0 120	70-130 70-130 70-130 07	•		lyzed: 06/09/23



Matador Production Company 3122 National Parks HWY	Project Name:	Florence State 23 TB	Reported:
Carlsbad NM, 88220	Project Number: Project Manager:	23052-0001 Ashley Giovengo	6/14/2023 2:45:59PM

Carisbad Nivi, 88220		Project Manage	r: As	miey Gloveng	30			,	3/14/2023 2.43.39FN
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323043-BLK1)							Prepared: 0	6/08/23 An	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	34.2		50.0		68.5	50-200			
LCS (2323043-BS1)							Prepared: 0	6/08/23 An	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	239	25.0	250		95.8	38-132			
Surrogate: n-Nonane	32.8		50.0		65.6	50-200			
Matrix Spike (2323043-MS1)				Source:	E306054-0	01	Prepared: 0	6/08/23 An	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132			
Surrogate: n-Nonane	32.2		50.0		64.4	50-200			
Matrix Spike Dup (2323043-MSD1)				Source:	E306054-	01	Prepared: 0	6/08/23 An	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.9	38-132	1.53	20	
Surrogate: n-Nonane	31.5		50.0		62.9	50-200			

Matrix Spike (2324007-MS1)

Matrix Spike Dup (2324007-MSD1)

Chloride

Chloride

1680

1890

Prepared: 06/12/23 Analyzed: 06/14/23

Prepared: 06/12/23 Analyzed: 06/14/23

20

M2

QC Summary Data

Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager	2	Florence State 23 TB 23052-0001 Ashley Giovengo				Reported: 6/14/2023 2:45:59PM		
- Canadad 1 a. 1, 00220	Anions by EPA 300.0/9056A							Analyst: BA		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
lank (2324007-BLK1)						Prepared: 06/12/23 Analyzed: 06/14/23				
Chloride	ND	20.0								
LCS (2324007-BS1)		Prepared: 00							nalyzed: 06/14/23	
Chloride	263	20.0	250		105	90-110				

250

250

20.0

20.0

Source: E306057-01

Source: E306057-01

114

198

80-120

80-120

11.8

1390

1390

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

	Matador Production Company	Project Name:	Florence State 23 TB	
ı	3122 National Parks HWY	Project Number:	23052-0001	Reported:
١	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/14/23 14:45

M2 Matrix spike recovery was outside quality control limits. The associated 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.



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Client: M	latador Pr	oduction	Compar	ny	Bill To				La	ab Us	e On	ly				TA	AT	EPA P	rogram
Project N	Florence S Manager: A 3122 Nat	Ashley G	iovengo	<i>y</i> av	Attention: Clint Talley Address: On File City, State, Zip: On File		E,	SOU	t do		-	05	ber 2-000 l nd Metho	1D	2D	3D	Standard X	CWA	SDWA
City, Stat	e, Zip: Ca 75-988-00 iovengo@	rlsbad, N 055	IM 88220	-	Phone: 337-319-8398 Email: clinton.talley@matadorres									NM		¥	NM CO	State UT AZ	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		TPH GRO, 8015	ВТЕХ ЬУ 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC	×	Remarks	
11:54	6/6/23 S 1 jar				PH02-5'									Х					
					10,000														
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					cc agiovengo@ensolum.com, cole.burt					into									
date or time	of collection	s consider		d may be grounds f			ample		n,					avg ter	np abov	e 0 but le	ceived on ice the day ess than 6 °C on subs		led or
Relinquishe	d by: (Sign:	ature 1	Date	7/23 Time	Received by: (Signature) Received by: (Signature)	Date Date		Time	45		Rece	ived	on ice:) v	se On I	ıy		
Relinquishe	ed by: (Signa	ature	Date		Received by: #Signature)	0-7. Col8/2	12	Time	73	2:5	T1		np °C	T2			<u>T3</u>		
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					ed unless other arrangements are made. Hazard y the laboratory with this COC. The liability of the										nt exp	ense.	The report for t	he analysis	of the



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Printed: 6/8/2023 10:54:59AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Production Company	Date Received:	06/08/23	08:35	Work Order ID:	E306063
Phone:	(575) 988-0055	Date Logged In:	06/07/23	16:21	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	06/14/23	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location man	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Cour	<u>rier</u>	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Commen</u>	ts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
	ample cooler received?		Yes			
8. If yes, v	was cooler received in good condition?		Yes			
9. Was the	e 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			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C			
Sample C			_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers'	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	el					
20. Were 1	— field sample labels filled out with the minimum info	ormation:				
Sa	ample ID?		Yes			
	ate/Time Collected?		Yes	<u> </u>		
	ollectors name?		Yes			
	reservation		NT.			
	the COC or field labels indicate the samples were pr	reserved?	No			
	umple(s) correctly preserved? filteration required and/or requested for dissolved n	antolo?	NA Na			
	•	ictais:	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
	imples required to get sent to a subcontract laborato	•	No			
29. Was a	subcontract laboratory specified by the client and in	f so who?	NA	Subcontract Lab: N	JA .	
Client In	struction					
						-

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Florence State 23 TB

Work Order: E306059

Job Number: 23052-0001

Received: 6/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/14/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/14/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Florence State 23 TB

Workorder: E306059

Date Received: 6/8/2023 8:35:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/8/2023 8:35:00AM, under the Project Name: Florence State 23 TB.

The analytical test results summarized in this report with the Project Name: Florence State 23 TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

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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Chain of Custody etc.	11

Sample Summary

Γ	Matador Production Company	Project Name:	Florence State 23 TB	Donoutoda
ı	3122 National Parks HWY	Project Number:	23052-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/14/23 14:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 - 10.5'	E306059-01A	Soil	06/06/23	06/08/23	Glass Jar, 4 oz.



Sample Data

Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/14/2023 2:39:10PM

PH01 - 10.5' E306059-01

	E300039-01				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: IY	Batch: 2323047	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
ND	0.0500	1	06/08/23	06/08/23	
ND	0.0250	1	06/08/23	06/08/23	
	97.0 %	70-130	06/08/23	06/08/23	
mg/kg	mg/kg	Analy	vst: IY		Batch: 2323047
ND	20.0	1	06/08/23	06/08/23	
	91.2 %	70-130	06/08/23	06/08/23	
mg/kg	mg/kg	Analy	st: KM		Batch: 2323043
ND	25.0	1	06/08/23	06/10/23	
ND	50.0	1	06/08/23	06/10/23	
	68.5 %	50-200	06/08/23	06/10/23	
mg/kg	mg/kg	Analy	vst: BA		Batch: 2324007
921	20.0	1	06/12/23	06/14/23	
	ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg Mg/kg mg/kg mg/kg mg/kg ND 20.0 91.2 % mg/kg ND 25.0 ND 50.0 68.5 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 97.0 % 70-130 mg/kg mg/kg Analy ND 20.0 1 91.2 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 68.5 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: 1Y ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0250 1 06/08/23 ND 0.0500 1 06/08/23 ND 0.0250 1 06/08/23 ND 70-130 06/08/23 mg/kg mg/kg Analyst: IY ND 20.0 1 06/08/23 mg/kg mg/kg Analyst: KM ND 25.0 1 06/08/23 ND 50.0 1 06/08/23 ND 50.0 1 06/08/23 Mg/kg Mg/kg Analyst: KM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/08/23 06/08/23 ND 0.0500 1 06/08/23 06/08/23 ND 0.0250 1 06/08/23 06/08/23 Mg/kg mg/kg Analyst: IY ND 20.0 1 06/08/23 06/08/23 mg/kg mg/kg Analyst: KM ND 25.0 1 06/08/23 06/08/23 ND 25.0 1 06/08/23 06/10/23 ND 50.0 1 06/08/23 06/10/23 ND 50.0 1 06/08/23 06/10/23 mg/kg mg/kg Analyst: BA



Florence State 23 TB Matador Production Company Project Name: Reported: 3122 National Parks HWY Project Number: 23052-0001 Carlsbad NM, 88220 Project Manager: Ashley Giovengo 6/14/2023 2:39:10PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2323047-BLK1) Prepared: 06/08/23 Analyzed: 06/08/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.87 8.00 98.4 70-130 LCS (2323047-BS1) Prepared: 06/08/23 Analyzed: 06/08/23 4.42 88.5 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.67 0.0250 5.00 93.4 70-130 4.80 0.0250 5.00 95.9 70-130 Toluene 98.5 o-Xylene 4.93 0.0250 5.00 70-130 10.0 70-130 9.66 0.0500 96.6 p.m-Xvlene 97.3 70-130 14.6 15.0 Total Xylenes 0.0250 8.00 99.3 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.94 Matrix Spike (2323047-MS1) Source: E306055-01 Prepared: 06/08/23 Analyzed: 06/08/23 4.48 0.0250 5.00 ND 54-133 Benzene ND 95.1 61-133 Ethylbenzene 4.75 0.0250 5.00 Toluene 4.87 0.0250 5.00 ND 97.4 61-130 5.02 ND 100 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.82 0.0500 10.0 ND 98.2 63-131 14.8 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.96 8.00

Source: E306055-01

88.1

94.0

96.3

99.1

97.2

97.9

99.8

54-133

61-133

61-130

63-131

63-131

63-131

70-130

1.57

1.17

1.09

1.25

0.978

1.07

ND

ND

ND

ND

ND

ND



Prepared: 06/08/23 Analyzed: 06/08/23

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Matrix Spike Dup (2323047-MSD1)

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

4.41

4.70

4.82

4.96

9.72

14.7

7.98

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

5.00

10.0

15.0

8.00

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Production CompanyProject Name:Florence State 23 TBReported:3122 National Parks HWYProject Number:23052-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo6/14/20232:39:10PM

Carlsbad NM, 88220		Project Manage	r: As	shley Gioveng	go			6/	14/2023 2:39:10PM
	Non	halogenated		Analyst: IY					
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2323047-BLK1)							Prepared: 0	6/08/23 Ana	lyzed: 06/08/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.3	70-130			
LCS (2323047-BS2)							Prepared: 0	6/08/23 Ana	lyzed: 06/08/23
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			
Matrix Spike (2323047-MS2)				Source:	E306055-	01	Prepared: 0	6/08/23 Ana	lyzed: 06/08/23
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			
Matrix Spike Dup (2323047-MSD2)				Source:	E306055-0)1	Prepared: 0	6/08/23 Ana	lyzed: 06/08/23
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130	6.68	20	

8.00

7.43

92.9

70-130

Matador Production CompanyProject Name:Florence State 23 TBReported:3122 National Parks HWYProject Number:23052-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo6/14/20232:39:10PM

Carisbad NM, 88220		Project Manage	r: As	niey Gioveng	go				0/14/2023 2:39:10PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323043-BLK1)							Prepared: 0	6/08/23 A	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	34.2		50.0		68.5	50-200			
LCS (2323043-BS1)							Prepared: 0	6/08/23 A	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	239	25.0	250		95.8	38-132			
urrogate: n-Nonane	32.8		50.0		65.6	50-200			
Matrix Spike (2323043-MS1)				Source:	E306054-0	01	Prepared: 0	6/08/23 A	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132			
urrogate: n-Nonane	32.2		50.0		64.4	50-200			
Matrix Spike Dup (2323043-MSD1)				Source:	E306054-0	01	Prepared: 0	6/08/23 A	nalyzed: 06/09/23
Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.9	38-132	1.53	20	
urrogate: n-Nonane	31.5		50.0		62.9	50-200			

Matrix Spike Dup (2324007-MSD1)

Chloride

1890

20.0

QC Summary Data

Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager	2	Florence State 2 23052-0001 Ashley Gioven					Reported: 6/14/2023 2:39:10PM
Cariscaa 1111, 00220		<u> </u>		300.0/9056					Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2324007-BLK1)							Prepared: 0	6/12/23 A	nalyzed: 06/14/23
Chloride	ND	20.0							
LCS (2324007-BS1)							Prepared: 0	6/12/23 A	nalyzed: 06/14/23
Chloride	263	20.0	250		105	90-110			
Matrix Spike (2324007-MS1)				Source:	E306057-	01	Prepared: 0	6/12/23 A	nalyzed: 06/14/23
Chloride	1680	20.0	250	1390	114	80-120			

250

Source: E306057-01

198

80-120

11.8

1390

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.



Prepared: 06/12/23 Analyzed: 06/14/23

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M2

Definitions and Notes

ſ	Matador Production Company	Project Name:	Florence State 23 TB	
l	3122 National Parks HWY	Project Number:	23052-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/14/23 14:39

M2 Matrix spike recovery was outside quality control limits. The associated 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.



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Belinguishe	ed by: (Signa	iture)		Time		Received by: (Signature)	Date		Time							ab Us				
pl	5/6	A	6		45	Michella Ceurella	- G	7.0	13 9	45		Rece	eived	on ice:	-	N (
Mich		una	Date	723 Time	080	Received by: (Signature)	Date	-2-	US 1	73c	>	T1			T2			T3		
	ed by: (Signa		Date	7 Time	200	Received by: (Signature)	Date	.1.	Time		=			1	1	3				
Alla	1ew	miss	0 19	- 2-13 0	100	Cattle Man	01	12	38	10	フ	AVG	Tem	o °C_7						



or disposed of at the client expense. The report for the analysis of the aid for on the report.

Page 158

Conclusion of the client expense. The report for the analysis of the aid for on the report.

Printed: 6/8/2023 10:37:57AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Production Company	Date Received:	06/08/23	08:35		Work Order ID:	E306059
Phone:	(575) 988-0055	Date Logged In:	06/07/23	16:12		Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:		17:00 (4 day TAT)		88	
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	_			
5. Were al	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in					Comments	s/Resolution
C1- T	i.e, 15 minute hold time, are not included in this disucssi	on.				<u>comment</u>	7/XCSOIUTION
	Urn Around Time (TAT)		Yes				
	COC indicate standard TAT, or Expedited TAT?		168				
Sample C	ample cooler received?		Yes				
	was cooler received in good condition?						
•	•		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes				
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	Container						
	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · ·						
	— field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes				
	ollectors name?		Yes				
-	reservation						
	the COC or field labels indicate the samples were pr	reserved?	No				
	ample(s) correctly preserved?	. 1.0	NA				
	filteration required and/or requested for dissolved n	netals?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
28. Are sa	imples required to get sent to a subcontract laborato	ry?	No				
29. Was a	subcontract laboratory specified by the client and is	f so who?	NA	Subcontract Lab	: NA		
Client In	<u>istruction</u>						

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Florence State 23 TB

Work Order: E306060

Job Number: 23052-0001

Received: 6/8/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/14/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/14/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Florence State 23 TB

Workorder: E306060

Date Received: 6/8/2023 8:35:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/8/2023 8:35:00AM, under the Project Name: Florence State 23 TB.

The analytical test results summarized in this report with the Project Name: Florence State 23 TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

_				
ſ	Matador Production Company	Project Name:	Florence State 23 TB	Reported:
١	3122 National Parks HWY	Project Number:	23052-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/14/23 14:40

Client Sample ID	Lab Sample ID M	Matrix	Sampled	Received	Container
PH01 - 12.5'	E306060-01A	Soil	06/06/23	06/08/23	Glass Jar, 4 oz.



Sample Data

Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/14/2023 2:40:43PM

PH01 - 12.5' E306060-01

		E300000-01					
A 14	D. Iv	Reporting			D 1		N
Analyte	Result	Limit	Dilt	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2323046
Benzene	ND	0.0250	1	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	į	1	06/08/23	06/09/23	
Toluene	ND	0.0250	į	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250		1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500		1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250		1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		102 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2323046
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		102 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2323043
Diesel Range Organics (C10-C28)	ND	25.0		1	06/08/23	06/10/23	
Oil Range Organics (C28-C36)	ND	50.0		1	06/08/23	06/10/23	
Surrogate: n-Nonane		67.3 %	50-200		06/08/23	06/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2324007
Chloride	720	20.0		1	06/12/23	06/14/23	



Matador Production Company Project Name: Florence State 23 TB

3122 National Parks HWY Project Number: 23052-0001

Carlsbad NM, 88220 Project Manager: Ashley Giovengo 6/14/2023 2:40:43PM

Carisbad NW, 88220		Project Manage	r: As	sniey Gioveng	30			0/1-	4/2023 2.40.43FF
	V	olatile Organ	ic Compo	unds by El	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323046-BLK1)							Prepared: 0	6/08/23 Analy	yzed: 06/08/23
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	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
LCS (2323046-BS1)							Prepared: 0	6/08/23 Analy	yzed: 06/08/23
Benzene	2.46	0.0250	2.50		98.3	70-130			
Ethylbenzene	2.43	0.0250	2.50		97.2	70-130			
Toluene	2.46	0.0250	2.50		98.3	70-130			
o-Xylene	2.51	0.0250	2.50		100	70-130			
p,m-Xylene	4.95	0.0500	5.00		99.0	70-130			
Total Xylenes	7.46	0.0250	7.50		99.5	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			
Matrix Spike (2323046-MS1)				Source:	E306053-	07	Prepared: 0	6/08/23 Analy	yzed: 06/08/23
Benzene	2.53	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.52	0.0250	2.50	ND	101	45-135			
Toluene	2.55	0.0250	2.50	ND	102	48-130			
o-Xylene	2.58	0.0250	2.50	ND	103	43-135			
p,m-Xylene	5.10	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.67	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
Matrix Spike Dup (2323046-MSD1)				Source:	E306053-	07	Prepared: 0	6/08/23 Analy	yzed: 06/09/23
Benzene	2.39	0.0250	2.50	ND	95.6	48-131	5.67	23	
Ethylbenzene	2.39	0.0250	2.50	ND	95.6	45-135	5.25	27	
Toluene	2.42	0.0250	2.50	ND	96.8	48-130	5.27	24	
o-Xylene	2.41	0.0250	2.50	ND	96.3	43-135	6.80	27	
p,m-Xylene	4.81	0.0500	5.00	ND	96.2	43-135	5.82	27	
Total Xylenes	7.22	0.0250	7.50	ND	96.2	43-135	6.15	27	
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130			



0.500

0.500

98.4

102

70-130

70-130

0.492

0.508

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Florence State 23 TB Matador Production Company Project Name: Reported: 3122 National Parks HWY Project Number: 23052-0001 Carlsbad NM, 88220 Project Manager: Ashley Giovengo 6/14/2023 2:40:43PM

Nonhalogenated	Organics by	v EPA 8015D	- GRO

Analyst: IY

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

•	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323046-BLK1)							Prepared: 0	6/08/23 A	analyzed: 06/08/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
LCS (2323046-BS2)							Prepared: 0	6/08/23 A	analyzed: 06/08/23
Gasoline Range Organics (C6-C10)	62.1	20.0	50.0		124	70-130	·		
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
Matrix Spike (2323046-MS2)				Source:	E306053-	07	Prepared: 0	6/08/23 A	analyzed: 06/08/23
Gasoline Range Organics (C6-C10)	63.6	20.0	50.0	ND	127	70-130			
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			
Matrix Spike Dup (2323046-MSD2)				Source:	E306053-	07	Prepared: 0	6/08/23 A	nalyzed: 06/09/23
Gasoline Range Organics (C6-C10)	59.9	20.0	50.0	ND	120	70-130	6.08	20	
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.496 0.485		0.500 0.500		99.2 96.9	70-130 70-130			



Matador Production Company 3122 National Parks HWY	Project Name: Project Number:	Florence State 23 TB 23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	6/14/2023 2:40:43PM

Carlsbad NM, 88220		Project Manager	r: As	hley Gioveng	30			(5/14/2023 2:40:43PN
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323043-BLK1)							Prepared: 0	6/08/23 An	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	34.2		50.0		68.5	50-200			
LCS (2323043-BS1)							Prepared: 0	6/08/23 An	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	239	25.0	250		95.8	38-132			
urrogate: n-Nonane	32.8		50.0		65.6	50-200			
Matrix Spike (2323043-MS1)				Source:	E306054-	01	Prepared: 0	6/08/23 An	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132			
urrogate: n-Nonane	32.2		50.0		64.4	50-200			
Matrix Spike Dup (2323043-MSD1)				Source:	E306054-	01	Prepared: 0	6/08/23 An	alyzed: 06/09/23
Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.9	38-132	1.53	20	
'urrogate: n-Nonane	31.5		50.0		62.9	50-200			

Matrix Spike Dup (2324007-MSD1)

Chloride

1890

QC Summary Data

Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number Project Manage	r: 2	Florence State 2 23052-0001 Ashley Giovens					Reported: 6/14/2023 2:40:43PM
Carisbad Nivi, 88220				300.0/9056A					Analyst: BA
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2324007-BLK1)									nalyzed: 06/14/23
Chloride LCS (2324007-BS1)	ND	20.0					Prepared: 0	6/12/23 Ar	nalyzed: 06/14/23
Chloride	263	20.0	250		105	90-110			
Matrix Spike (2324007-MS1)				Source:	E306057-	01	Prepared: 0	6/12/23 Ar	nalyzed: 06/14/23
Chloride	1680	20.0	250	1390	114	80-120			

250

20.0

Source: E306057-01

198

80-120

11.8

1390

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.



Prepared: 06/12/23 Analyzed: 06/14/23

20

M2

Definitions and Notes

Matador Production Company	Project Name:	Florence State 23 TB	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/14/23 14:40

M2 Matrix spike recovery was outside quality control limits. The associated 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.



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	3122 Nat					y, State, Zip: On File		- 1-			Analy	ysis and Method	d					RC
	e, Zip: Ca 75-988-00		IVI 8822U			one: 337-319-8398 nail: clinton.talley@matado	rrosources com	30 by									State	
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eport du								S/DR	802	8260	5010	300	N		X	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	TPH GRO/DRO/ORO by	8015 8TEX hv 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC		GDOC		Remarks	
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ddition	al Instruc	tions: Pr	eserved	on ice. Ple	ase cc agiov	rengo@ensolum.com, cole	.burton@ensol	um.con	n and	clinto	n.tal	ley@matador	reso	urces	s.com	on lab result	ts.	
(field samp	ler) attest to	the validity	and auther	nticity of this s	sample. I am aw	are that tampering with or intention	ally mislabelling the sa	ample loca	ation,		1.000	es requiring thermal p					The state of the s	led or
ate or time	of collection	is considere			nds for legal acti						receive	ed packed in ice at an i				Control of the control of	equent days.	
me	d toy: (Signa	15	Date G	h/23	945	Michille Kenyk	Date 6-7-6	23	94	2	Rece	eived on ice:		ab Us	e Onl	У		
	dby: (Signa		Date	7-23	1630	Received by: (Signature)	6-7-	- 23 Tir	ne 172	30	T1		T2			T3		
elinquishe	d by: (Signa	my	Date	11.12	Time	Received by: (Signature)	Date /	Tir	ne ?: 3			11						



or disposed of at the client expense. The report for the analysis of the aid for on the report.

Control enviroge Characteristics and the client expense. The report for the analysis of the aid for on the report.

Printed: 6/8/2023 10:40:44AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Production Company	Date Received:	06/08/23 0	8:35	Work Order ID:	E306060
Phone:	(575) 988-0055	Date Logged In:	06/07/23 1	6:17	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	06/14/23 1	7:00 (4 day TAT)	-	
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Cour	<u>rier</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes		Commen	ts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e 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	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
Sample C		· · · · · · ·	_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	· · ·	ners conceica.	105			
	field sample labels filled out with the minimum info	ormation:				
	ample ID?	ormation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
Sample P	<u>reservation</u>					
21. Does	the COC or field labels indicate the samples were pr	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
-	imples required to get sent to a subcontract laborato	rv?	No			
	subcontract laboratory specified by the client and it	-		Subcontract Lab: N	IA.	
				Subcontract Eus. 14	12.1	
Chent In	<u>istruction</u>					

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



APPENDIX F

Email Correspondence

From: Velez, Nelson, EMNRD

To: Ashley Giovengo

Cc: clinton.talley@matadorresources.com; Cole Burton; Chad Hamilton; Bratcher, Michael, EMNRD

Subject: Re: [EXTERNAL] Matador - Extension Request - Florence State 23 TB -Incident Number nAPP2313769629

Date: Monday, November 13, 2023 10:33:39 AM

Attachments: <u>image001.png</u>

image002.png image003.png image004.png image005.png Outlook-diahwg4w.png

[**EXTERNAL EMAIL**]

Good morning Ashley,

Your 90-day time extension is approved. Remediation Due date has been updated to January 12, 2024.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/



From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Monday, November 13, 2023 10:13 AM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Cc: clinton.talley@matadorresources.com <clinton.talley@matadorresources.com>; Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Matador - Extension Request - Florence State 23 TB -Incident Number nAPP2313769629

Hello,

Matador is requesting an extension for the current deadline of November 13, 2023, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Florence State 23 TB (Incident Number nAPP2313769629). The release occurred on May 17, 2023, and delineation, excavation and confirmation sampling has been completed at the site. Ensolum personnel completed two pothtoles and two boreholes in order to establish vertical delineation at the site, however one borehole is not in compliance with the strictest Closure Criteria per NMOCD Table I. Ensolum personnel will need to return to the site and complete vertical delineation in Pothole (PH01) to the strictest closure criteria with either a trackhoe or with a drill rig equipped with an auger and split spoon. Matador will submit a remediation work plan or closure report, following the additional delineation efforts and discrete soil sampling. Matador respectfully requests a 60-day extension until January 12, 2023.

Thanks,



From: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Sent: Friday, July 28, 2023 12:51 PM

To: Ashley Giovengo <agiovengo@ensolum.com>

Cc: clinton.talley@matadorresources.com; Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: Re: [EXTERNAL] Matador - Extension Request - Florence State 23 TB -Incident Number

nAPP2313769629

You don't often get email from nelson.velez@emnrd.nm.gov. Learn why this is important

[**EXTERNAL EMAIL**]

Good afternoon Ashley,

Your 90-day time extension is approved. Remediation Due date has been updated to November 13, 2023.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/_



From: Wells, Shelly, EMNRD < Shelly. Wells@emnrd.nm.gov>

Sent: Friday, July 28, 2023 10:33 AM

To: Velez, Nelson, EMNRD < Nelson.Velez@emnrd.nm.gov > **Cc:** Bratcher, Michael, EMNRD < mike.bratcher@emnrd.nm.gov >

Subject: FW: [EXTERNAL] Matador - Extension Request - Florence State 23 TB -Incident Number

nAPP2313769629

From: Ashley Giovengo agiovengo@ensolum.com>

Sent: Friday, July 28, 2023 9:46 AM

To: Enviro, OCD, EMNRD < < OCD. Enviro@emnrd.nm.gov >

Cc: <u>clinton.talley@matadorresources.com</u>; Cole Burton < <u>cburton@ensolum.com</u>>; Chad Hamilton

<<u>chamilton@ensolum.com</u>>

Subject: [EXTERNAL] Matador - Extension Request - Florence State 23 TB -Incident Number

nAPP2313769629

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

All,

Matador is requesting an extension for the current deadline of August 15, 2023, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Florence State 23 TB (Incident Number nAPP2313769629). The release occurred on May 17, 2023, and initial site assessment and delineation activities have been completed. In order to determine depth to water at the Site, Matador has contracted Atkins Engineering Associates to complete a depth to water boring on September 07, 2023. The well log and file will be submitted to the New Mexico Office of the State Engineer (NMOSE) and included in the remediation work plan or closure report. Matador will submit a remediation work plan or closure report, following remediation efforts and confirmation sampling. Matador respectfully requests an extension until November 13, 2023.

Thanks,



From: Rodgers, Scott, EMNRD

To: Cole Burton; Ashley Giovengo; spills@slo.state.nm.us; clinton.talley@matadorresources.com; Velez, Nelson,

EMNRD; Bratcher, Michael, EMNRD

Cc: <u>Chad Hamilton</u>; <u>Ethan Haft</u>

Subject: RE: [EXTERNAL] 48-hour Confirmation Sampling Notification - Matador Production Company - Florence State 23

TB - Incident Number nAPP2313769629

Date: Wednesday, October 25, 2023 9:49:00 AM

Attachments: <u>image006.png</u> <u>image007.png</u>

image007.png image008.png image009.png

[**EXTERNAL EMAIL**]

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Scott Rodgers • Environmental Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113

505.469.1830 | scott.rodgers@emnrd.nm.gov

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



From: Cole Burton <cburton@ensolum.com>

Sent: Wednesday, October 25, 2023 9:05 AM

To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>; Ashley Giovengo

<agiovengo@ensolum.com>; spills@slo.state.nm.us; clinton.talley@matadorresources.com; Velez,

Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Bratcher, Michael, EMNRD

<mike.bratcher@emnrd.nm.gov>

Cc: Chad Hamilton <chamilton@ensolum.com>; Ethan Haft <ehaft@ensolum.com>

Subject: RE: [EXTERNAL] 48-hour Confirmation Sampling Notification - Matador Production Company

- Florence State 23 TB - Incident Number nAPP2313769629

Hello,

Due to unforeseen heavy rain in the area we need to extend the sampling event at the Florence State 23 TB into Thursday, October 26, 2023, and Friday October 27, 2023.

Thanks,

Cole Burton



From: Rodgers, Scott, EMNRD < <u>Scott.Rodgers@emnrd.nm.gov</u>>

Sent: Friday, October 20, 2023 10:12 AM

To: Ashley Giovengo <agiovengo@ensolum.com>; spills@slo.state.nm.us; clinton.talley@matadorresources.com; Velez@emnrd.nm.gov>; Bratcher@emnrd.nm.gov>

Cc: Cole Burton < chamilton@ensolum.com>; Ethan Haft < ehaft@ensolum.com>

Subject: RE: [EXTERNAL] 48-hour Confirmation Sampling Notification - Matador Production Company - Florence State 23 TB - Incident Number nAPP2313769629

Some people who received this message don't often get email from scott.rodgers@emnrd.nm.gov. Learn why this is important

[**EXTERNAL EMAIL**]

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Scott Rodgers ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd



From: Ashley Giovengo agiovengo@ensolum.com>

Sent: Friday, October 20, 2023 10:01 AM

To: Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov>; spills@slo.state.nm.us; clinton.tallev@matadorresources.com

Cc: Cole Burton < chamilton@ensolum.com>; Ethan Haft < ehaft@ensolum.com>

Subject: [EXTERNAL] 48-hour Confirmation Sampling Notification - Matador Production Company - Florence State 23 TB - Incident Number nAPP2313769629

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

Hello,

We intend to collect confirmation samples at Matador Production Company's, Florence State 23 TB site (Incident Number *nAPP2313769629*) beginning on Tuesday, October 24, 2023, at 09:00 am MST through Wednesday, October 25, 2023.

Please let us know if you plan to be onsite to oversee the sampling.

Thanks,



From: Rodgers, Scott, EMNRD

To: Ashley Giovengo; spills@slo.state.nm.us; clinton.talley@matadorresources.com; Velez, Nelson, EMNRD; Bratcher,

Michael, EMNRD

Cc: <u>Cole Burton</u>; <u>Chad Hamilton</u>; <u>Ethan Haft</u>

Subject: RE: [EXTERNAL] 48-hour Confirmation Sampling Notification - Matador Production Company - Florence State 23

TB - Incident Number nAPP2313769629

Date: Friday, October 20, 2023 10:11:54 AM

Attachments: <u>image006.png</u>

image007.png image008.png image009.png

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[**EXTERNAL EMAIL**]

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Scott Rodgers • Environmental Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113

505.469.1830 | scott.rodgers@emnrd.nm.gov

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



From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Friday, October 20, 2023 10:01 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; spills@slo.state.nm.us;

clinton.talley@matadorresources.com

Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>; Ethan Haft

<ehaft@ensolum.com>

Subject: [EXTERNAL] 48-hour Confirmation Sampling Notification - Matador Production Company -

Florence State 23 TB - Incident Number nAPP2313769629

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

Hello,

We intend to collect confirmation samples at Matador Production Company's, Florence State 23 TB site (Incident Number *nAPP2313769629*) beginning on Tuesday, October 24, 2023, at 09:00 am MST through Wednesday, October 25, 2023.

Please let us know if you plan to be onsite to oversee the sampling.

Thanks,



<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 306063

QUESTIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	306063
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2313769629
Incident Name	NAPP2313769629 FLORENCE STATE 23 TB @ 0
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2202572162] Florence State Facility Tank Battery

Location of Release Source						
Please answer all the questions in this group.						
Site Name	FLORENCE STATE 23 TB					
Date Release Discovered	05/17/2023					
Surface Owner	State					

Incident Details	ncident Details						
Please answer all the questions in this group.							
Incident Type	Oil Release						
Did this release result in a fire or is the result of a fire	Yes						
Did this release result in any injuries	No						
Has this release reached or does it have a reasonable probability of reaching a watercourse	No						
Has this release endangered or does it have a reasonable probability of endangering public health	No						
Has this release substantially damaged or will it substantially damage property or the environment	No						
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No						

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Equipment Failure Separator Crude Oil Released: 30 BBL Recovered: 0 BBL Lost: 30 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 10 BBL Recovered: 0 BBL Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 306063

QUEST	IONS (continued)
Operator: MATADOR PRODUCTION COMPANY	OGRID: 228937
One Lincoln Centre Dallas, TX 75240	Action Number: 306063
Dallas, TA 13240	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)
QUESTIONS	•
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.
Initial Response The responsible party must undertake the following actions immediately unless they could create a second content of the cont	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for relethe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Clint Talley Title: Assistant Foreman

Email: clinton.talley@matadorresources.com

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

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

QUESTIONS, Page 3

Action 306063

QUESTIONS (continued)

l Request C-141 (C-141-v-Deferral)
1

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)	
Any other fresh water well or spring	Greater than 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 1 and 5 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

ded to the appropriate district office no later than 90 days after the release discovery date.
Yes
ination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Yes
No
in milligrams per kilograms.)
3870
723
406
0
0
npleted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
10/24/2023
12/20/2023
12/20/2023
5155
191
4736
140
n at the time of submission and may (be) change(d) over time as more remediation efforts are completed.
i

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 **District II**

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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

QUESTIONS, Page 4

Action 306063

QUESTIONS (continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	306063
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	Not answered.	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Yes	
What is the name of the NMED facility	R360 Hobbs Facility	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.

I 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.

Name: Clint Talley
I hereby agree and sign off to the above statement
Email: clinton.talley@matadorresources.com
Date: 01/22/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

QUESTIONS, Page 5

Action 306063

QUESTIONS	(continued)

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	306063
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)
QUESTIONS	
Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each	of the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The deferral area is contained beneath production piping and produced oil and water separators. To fully remediate this site most production piping would need to be removed as well as removing the separators.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	5155
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	191
	diately under or around production equipment such as production tanks, wellheads and pipelines where on may be deferred with division written approval until the equipment is removed during other operations, or when
Enter the facility ID (f#) on which this deferral should be granted	Florence State Facility Tank Battery [fAPP2202572162]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed which includes the anticipated timelines for beginning and completing the remediation.	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required eases which may endanger public health or the environment. The acceptance of a C-141 report by a adequately investigate and remediate contamination that pose a threat to groundwater, surface out does not relieve the operator of responsibility for compliance with any other federal, state, or
	Name: Clint Talley
I hereby agree and sign off to the above statement	Title: Assistant Foreman

Email: clinton.talley@matadorresources.com

Date: 01/22/2024

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 6

Action 306063

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	306063
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)
QUESTIONS	
Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}
Remediation Closure Request	

No

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission

QUESTIONS (continued)

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CONDITIONS

Action 306063

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	306063
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created	Condition	Condition
Ву		Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	3/27/2024