ENSOLUM

July 5, 2023

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

Re: Deferral Request Wool Head Pad D Incident Number nAPP2312244897 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 assessment and soil sampling activities at the Wool Head Pad D (Site), located in Unit L, Section 20, Township 21 South, Range 33 East, in Lea County, New Mexico (Figure 1). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water within a lined containment at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Deferral Request*, describing Site assessment and delineation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2312244897 until the Site is reconstructed, and/or the well pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Lea County, New Mexico (32.45801° N, 103.602108°W) and is associated with oil and gas exploration and production operations on Private Land.

On May 1, 2023, a tank overflowed, resulting in the release of approximately 320 barrels (bbls) of produced water into the lined tank battery containment. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; all 320 bbls of released produced water were recovered from within the lined containment. A 48-hour advance notice of a liner inspection was provided via email to the New Mexico Oil Conservation Division (NMOCD) District II office. A liner integrity inspection was conducted by Ensolum personnel following fluid recovery. Upon inspection, the liner was determined to be insufficient. Matador reported the release to the NMOCD via email on May 5, 2023, and submitted a Release Notification Form C-141 (Form C-141) on May 9, 2023 (Appendix A). The release was assigned Incident Number nAPP2312244897.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized for the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) 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. Potential Site receptors are identified on Figure 1.

Wool Head Pad D

ENSOLUM

The New Mexico Office of the State Engineer (NMOSE) indicates the nearest depth to groundwater measurement is 572 feet below ground surface (bgs) and the water well, NMOSE file number CP 01349 POD1, is located approximately 2.13 miles Southeast of the Site as shown in Figure 1; The well log and record is provided in Appendix B.

The closest continuously flowing or significant watercourse to the Site is a freshwater pond, located approximately 0.95 miles northeast 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). 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), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT ACTIVITIES

From May 23, 2023, through June 1, 2023, Ensolum personnel visited the Site to evaluate the release extent and conduct Site assessment activities. Soil samples SS01 through SS06 were collected at the ground surface outside of the lined containment to laterally define the release. Seven boreholes (BH01 through BH07) were advanced via hand auger near the location of the tears in the liner to assess the vertical extent of potentially impacted soil. Soil from the boreholes were field screened for volatile organic compounds (VOCs) utilizing a calibrated PetroFLAG[®] soil analyzer system and chloride using Mohr method titration and Hach[®] chloride QuanTab[®] test strips. Field screening results and observations from the boreholes were documented on lithologic/soil sampling logs, which are included as Appendix C. The boreholes were backfilled with the soil removed and Ensolum repaired the tears in the liner. The delineation soil sample locations are depicted on Figure 2. Photographic documentation is included in Appendix D.

The 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 Analytical Laboratory (Envirotech) in, Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-ORO following EPA Method 8015M/D; and chloride following EPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the lateral delineation soil samples collected at the surface to 0.5 feet bgs indicated concentrations of TPH exceeded the Site Closure Criteria. Soil samples SS02, SS03 SS05A, and SS06B were resampled, and soil samples SS02A, SS03A, SS05B, and SS06D were below the applicable Site Closure Criteria and successfully defined the lateral extent of impacted soil beneath the containment liner.

Wool Head Pad D

E N S O L U M

Laboratory analytical results for the delineation soil samples collected from boreholes BH01 through BH07 indicated COC concentrations, specifically chloride and TPH, exceeded the Site Closure Criteria at depths ranging from the pad surface to 10 feet bgs, directly beneath the tears in the liner. Vertical delineation to the strictest Closure Criteria was achieved in six out of the seven boreholes. Ensolum personnel hit refusal at 5 feet bgs in borehole location BH05. The laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included in Appendix E. Email correspondence with NMOCD is provided in Appendix F.

DEFERRAL REQUEST

Matador is requesting deferral of final remediation due to the presence of active production equipment and surface pipelines within the lined containment. The impacted soil is limited to the area immediately beneath the lined containment and active production equipment, where remediation would require a major facility deconstruction.

The impacted soil remaining in place beneath the liner is delineated vertically by delineation soil samples BH01 through BH07 to a depth of 10 feet bgs and laterally by delineation soil samples SS01C, SS02A, SS03A, SS04, SS05B and SS06D. Approximately 78 cubic yards of chloride and TPH impacted soil remains in place beneath the liner based on the delineation soil samples listed above were compliant with the Closure Criteria.

Matador does not believe deferment will result in imminent risk to human health, the environment, or groundwater. The release was contained laterally by the lined containment and the impacted soil remaining in place is limited to the area immediately beneath the liner. The liner has been repaired by Ensolum and will restrict future vertical migration of residual impacts.

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 nAPP2312244897 until final reclamation of the well pad or major construction, whichever comes first.

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

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Areas of Requested Deferral

Wool Head Pad D

- Table 1Soil Sample Analytical Results
- Appendix A C-141 Form
- Appendix B Referenced Well Records
- Appendix C Lithologic / Soil Sampling Logs
- Appendix D Photographic Log
- Appendix E Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix F NMOCD Sample Notification

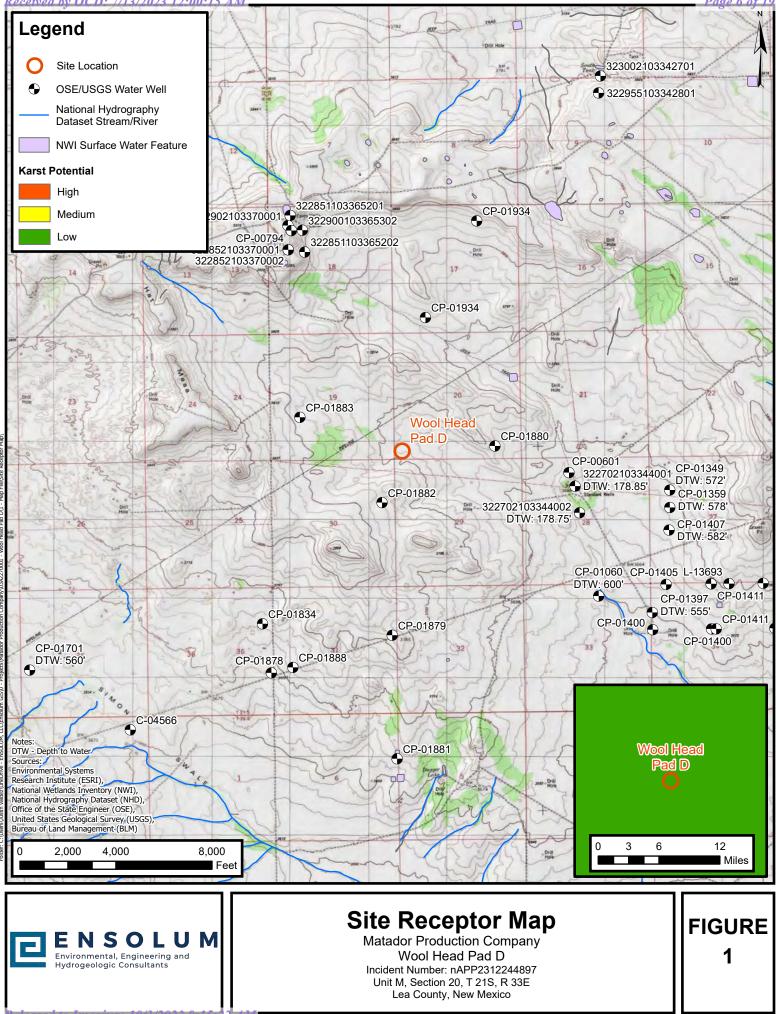


FIGURES

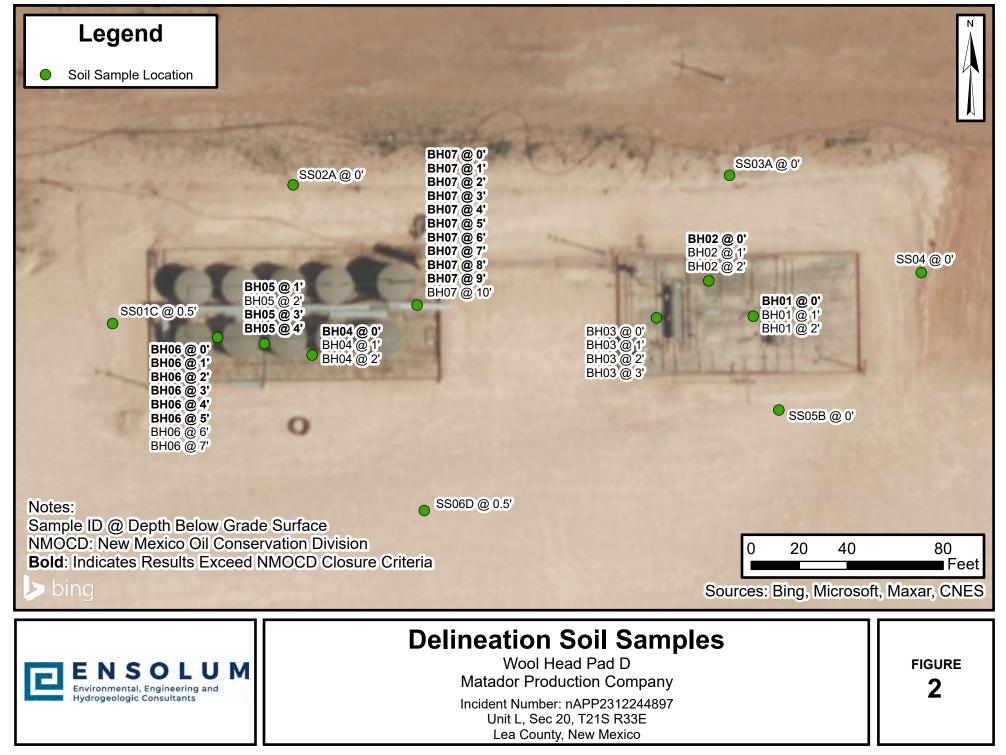
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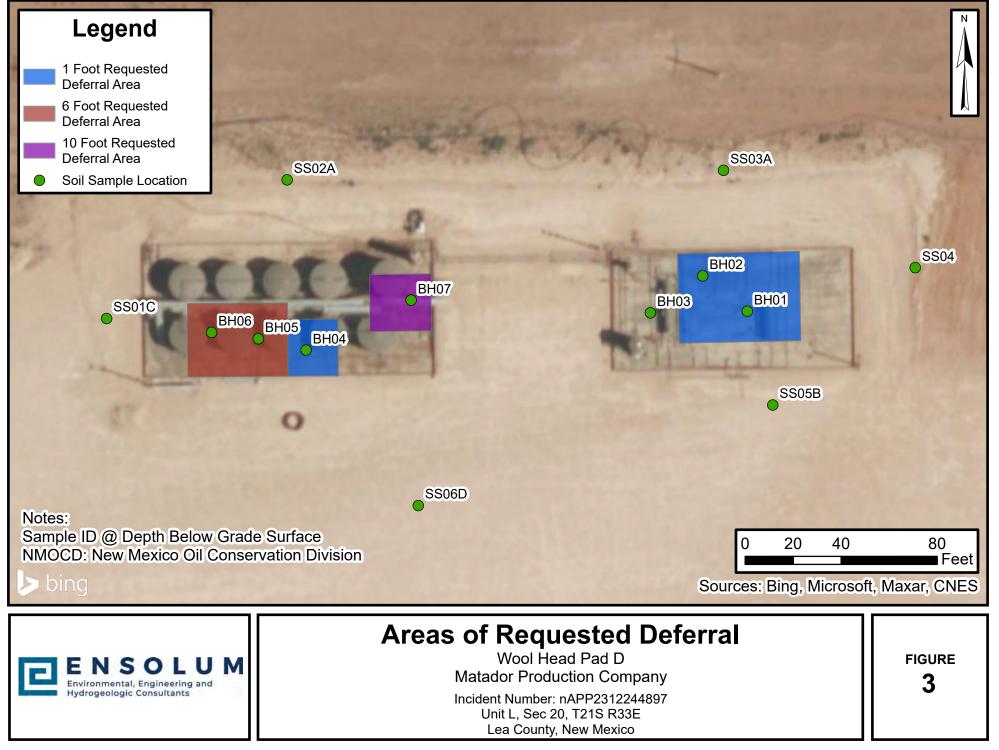


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TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Wool Head Pad D Matador Production Company 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	100	100	600	
Delineation Soil Samples											
SS01C	5/31/2023	0.5	<0.0250	<0.0500	<20.0	26.9	<50.0	26.9	26.9	319	
SS02	5/31/2023	0	<0.0250	<0.0500	<20.0	65.6	65.5	131.1	131.1	416	
SS02A	6/12/2023	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23	
SS03	5/31/2023	0	<0.0250	<0.0500	<20.0	89.2	89.9	179.1	179.1	32.1	
SS03A	6/12/2023	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65	
SS04	5/31/2023	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	456	
SS05A	5/31/2023	0	<0.0250	<0.0500	<20.0	192	137	329	329	501	
SS05B	6/12/2023	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.2	
SS06B	5/31/2023	0.5	<0.0250	<0.0500	<20.0	61.8	60.9	61.8	122.7	439	
SS06C	6/22/2023	0.5	<0.0250	<0.0500	<20.0	81	88.5	81	169.5	269	
SS06D	6/23/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	187	
BH01	5/30/2023	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	879	
BH01	5/30/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.6	
BH01	5/30/2023	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	62.1	
BH02	5/30/2023	0	0.174	1.065	27.1	15,300	5,980	21,280	21,307.1	1,570	
BH02	5/30/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	93	
BH02	5/30/2023	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	148	
BH03	5/31/2023	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	124	
BH03	5/31/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	114	
BH03	5/31/2023	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	112	
BH03	6/1/2023	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	281	
BH04	5/31/2023	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,520	
BH04	5/31/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	42.6	
BH04	5/31/2023	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	251	

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

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

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



TABLE 1 CON'T SOIL SAMPLE ANALYTICAL RESULTS Wool Head Pad D Matador Production Company 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 1	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	100	100	600	
Delineation Soil Samples											
BH05	5/31/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,560	
BH05	5/31/2023	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	229	
BH05	5/31/2023	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	10,500	
BH05	6/12/2023	4	<0.0250	<0.0500	<20.0	29.7	<50.0	29.7	29.7	1,410	
BH05	6/12/2023	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	933	
BH06	5/31/2023	0	0.183	1.663	33.7	7,640	2,560	10,200	10,233.70	5,470	
BH06	5/31/2023	1	<0.0250	<0.0500	<20.0	78	<50.0	78	78	2,530	
BH06	5/31/2023	2	<0.0250	<0.0500	<20.0	43.3	<50.0	43.3	43.3	4,820	
BH06	5/31/2023	3	<0.0250	<0.0500	<20.0	49.7	<50.0	49.7	49.7	4,810	
BH06	5/31/2023	4	<0.0250	<0.0500	<20.0	74.1	52.9	127	127	862	
BH06	5/31/2023	5	<0.0250	<0.0500	<20.0	409	197	606	606	999	
BH06	6/12/2023	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	208	
BH06	6/12/2023	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	61	
BH06	6/12/2023	8	<0.0250	<0.0500	<20.0	35	<50.0	35	35	37.9	
BH07	5/31/2023	0	0.113	1.9523	28.8	3,450	1,280	4,730	4,758.80	4,680	
BH07	5/31/2023	1	<0.0250	<0.0500	<20.0	31.8	<50.0	31.8	31.8	1,700	
BH07	5/31/2023	2	<0.0250	<0.0500	<20.0	51.1	<50.0	51.1	51.1	1,150	
BH07	5/31/2023	3	<0.0250	<0.0500	<20.0	86.7	55.8	142.5	142.5	874	
BH07	5/31/2023	4	<0.0250	<0.0500	<20.0	43.4	<50.0	43.4	43.4	887	
BH07	5/31/2023	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,080	
BH07	5/31/2023	6	<0.0250	<0.0500	<20.0	1270	498	1,768	1,768	992	
BH07	5/31/2023	7	<0.0250	<0.0500	<20.0	69.8	66.4	1,36.2	136.2	671	
BH07	5/31/2023	8	<0.0250	<0.0500	<20.0	148	87.1	235.1	235.1	778	
BH07	5/31/2023	9	<0.0250	<0.0500	<20.0	79.9	52.7	132.6	132.6	378	
BH07	5/31/2023	9.5	<0.0250	<0.0500	<20.0	157	84.9	157	241.9	545	
BH07	6/12/2023	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

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

Concentrations in **bold** exceed the NMOCD Table 1 Closure Criteria or reclamation standard where applicable.

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APPENDIX A

C-141 Form

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 Page 13:05 197

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2312244897
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Matador Production Company	OGRID 228937
Contact Name Clint Talley	Contact Telephone (337) 319-8398
Contact email clinton.talley@matadorresources.com	Incident # (assigned by OCD) nAPP2312244897
Contact mailing address 5400 Lyndon B Johnson Fwy, Dallas, Texas 75240	

Location of Release Source

Latitude 32.45801

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Wool Head Pad D	Site Type Oil Well
Date Release Discovered 05/01/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
L	20	21S	33E	Lea

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)						
Produced Water	Volume Released (bbls) 320 bbls	Volume Recovered (bbls) 320 bbls						
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No						
Condensate	Volume Released (bbls)	Volume Recovered (bbls)						
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)						
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)						
Cause of Release:								
Tank overflow inside lined secondary containment. All fluid was recovered by means of vac truck.								

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01111 (-141		Incident ID	nAPP2312244897
age 2	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible pa Volume exceeded 25 bbls.		
	notice given to the OCD? By whom? To whom? We we to NMOCD on 05/02/2023 via website.	hen and by what means (phone, e	email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 \boxtimes The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

 \boxtimes All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Clint Talley

Signature:

<u>Clint Talley</u>

email: Clinton.talley@matadorresources.com

Title: EHS Supervisor

Date: 05/09/2023

Telephone: 337-319-8398

OCD Only

Received by:

Date:

Oil Conservation Division

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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?	<u>178</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
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?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 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 vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data

Page 3

- Data table of soil contaminant concentration data
- \boxtimes Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

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			Facility ID	
			Application ID	
regulations all operators are req public health or the environme failed to adequately investigate	Talley	tifications and perform co OCD does not relieve the eat to groundwater, surfa	prrective actions for rele- operator of liability sho ce water, human health iance with any other fec	ases which may endanger ould their operations have or the environment. In
OCD Only				
Received by: <u>Shelly We</u>	:lls	Date:7/13/2	2023	

Received by OCD: 7/13/2023 12:00:15 AM Form C-141 State of New Mexico

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Oil Conservation Division

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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) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. 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 to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Clinton Talley Title: EHS Supervisor Clint Talley Signature: Date: 06/21/2023 email: Clinton.talley@matadorresources.com Telephone: 337-319-8398 **OCD Only** Shelly Wells Date: 7/13/2023 Received by: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Nelson Velez 10/03/2023 Date: Signature: Deferral is approved. Remediation Due date will be left open until the site has a major facility deconstruction.



APPENDIX B

Referenced Well Records

New Mexico Office of the State Engineer Point of Diversion Summary

				· ·		NW 2=NE 3 mallest to la	3=SW 4=SE argest)) (NAD83 UTI	V in meters)	
Well Tag	PO	D Numl	ber	Q64 Q'	16 Q4	Sec Tw	s Rng	Х	Y	
	CP	01349	POD1	2 3	31	27 21	S 33E	634782	3591569	<u>ا</u>
Driller Licen	se:	421	Drill	er Con	npany	: GLEN	N'S WATI	ER WELL S	SERVICE	
Driller Name	:	GLENN	I, CLARK A."CC	RKY"						
Drill Start Da	ate:	07/12/2	014 Drill	Finish	Date:	07	/18/2014	Plug	Date:	
Log File Date	e:	08/04/2	014 PCV	V Rcv [Date:	04	/27/2017	Sourc	ce:	Artesian
Pump Type:		SUBME	R Pipe	e Disch	arge S	Size: 3		Estim	ated Yield	:
Casing Size:		7.00	Dep	th Well	l:	11	88 feet	Depth	n Water:	572 feet
v	Vater	Bearin	g Stratification	s:	Тор	Bottom	Descrip	tion		
			-		990	1188	Sandsto	ne/Gravel/	Conglomer	ate
		Cas	ing Perforatio	าร:	Тор	Bottom				
					721	1188				
N	leter	Numbe	e r: 18275	5		Meter N	lake:	SEA	METRICS	
N	leter	Serial I	Number: 11 21	0 381		Meter N	Aultiplier:	1.000	00	
N	lumb	er of Di	als: 8			Meter T	ype:	Dive	rsion	
U	lnit o	of Measu	ure: Barrel	ls 42 ga	al.	Return	Flow Per	cent:		
U	Isage	e Multip	lier:	-		Readin	g Freque	ncy: Mont	hly	
– Meter Rea	ading	gs (in A	 cre-Feet)							
Read D)ate	Year	Mtr Reading	Flag	Rdr	Comme	ent		Mtr	Amount Onlin
06/02/2	015	2015	616318	А	ар	beginniı	ng water r	eport		0
06/27/2	015	2015	654758	А	ар					49.547
07/31/2	015	2015	654758	А	ар					0
08/31/2	015	2015	658147	А	ар					4.368
09/30/2	015	2015	658147	А	ар					0
10/31/2	015	2015	658147	А	ар					0
11/30/2	015	2015	658147	А	ар					0
04/01/2	016	2016	0	А	ар	meter w	vas reset			0
04/30/2	016	2016	56	А	ар					0.072
06/30/2	016	2016	45448	А	ар					58.507
07/27/2	016	2016	93651	А	ар					62.130
08/04/2	016	2016	0	А	ар					0
08/04/2	016	2016	93651	А	ар	replacin	g with ne	w meter		0
09/01/2	016	2016	59651	А	ар					768.861
09/30/2	016	2016	59685	А	ар					0.438

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Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
10/31/2016	2016	59685	А	ар		0	
11/29/2016	2016	123327	А	ар		820.303	
12/31/2016	2016	202400	А	ар		1019.198	
02/01/2017	2017	222525	А	ар		259.398	
02/27/2017	2017	0	A	ар	reset meter again second time	0	
02/27/2017	2017	227465	А	ар		63.673	
03/01/2017	2017	4377	А	ар		56.417	
03/31/2017	2017	63670	А	ар		764.247	
05/01/2017	2017	110035	А	ар		597.614	
05/31/2017	2017	121714	А	ар		150.534	
07/31/2017	2017	179828	А	ар		749.050	
10/31/2017	2017	212568	А	ар		421.997	
11/30/2017	2017	212568	А	ар		0	
11/30/2017	2017	0	А	ар	new meter	0	
12/30/2017	2017	381088	А	ар		4911.968	
01/30/2018	2018	437540	А	ар		727.628	
02/28/2018	2018	489981	А	ар		675.929	
03/30/2018	2018	547614	А	ар		742.851	
04/30/2018	2018	599646	А	ар		670.657	
06/01/2018	2018	653059	А	ар		688.458	
06/29/2018	2018	705152	А	ар		671.444	
07/31/2018	2018	740396	А	ар		454.271	
08/30/2018	2018	797263	А	ар		732.977	
09/30/2018	2018	846832	А	ар		638.911	
11/30/2018	2018	954599	А	ар		1389.044	
01/02/2019	2018	1007303	А	RPT	ſ	6.793	
02/01/2019	2019	1020346	А	RPT	T	1.681	
08/01/2019	2019	1424822	А	RPT	T	52.134	
09/01/2019	2019	1479315	А	RPT	ſ	7.024	
09/30/2019	2019	1532079	А	RPT	ſ	6.801	
10/31/2019	2019	1594691	А	RPT	ſ	8.070	
11/30/2019	2019	1649180	А	RPT	T	7.023	
12/31/2019	2019	1680307	А	RPT	T	4.012	
02/01/2020	2020	1725618	А	RPT	T	5.840	
03/01/2020	2020	1769757	А	RPT	r	5.689	

11/30/2019	2019	1649180	А	RPT	7.023
12/31/2019	2019	1680307	А	RPT	4.012
02/01/2020	2020	1725618	А	RPT	5.840
03/01/2020	2020	1769757	А	RPT	5.689
04/01/2020	2020	1795050	А	RPT	3.260
05/01/2020	2020	1795050	А	RPT	0
06/01/2020	2020	1827737	А	RPT	4.213
08/01/2020	2020	1890759	А	RPT	8.123
09/01/2020	2020	1911876	А	RPT	2.722
10/01/2020	2020	1921973	А	RPT	1.301

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Received by OCD: 7/13/2023 12:00:15 AM

Meter Readings (in Acre-Feet)

Meter Keaunig					
Read Date	Year I	Mtr Reading	Flag	Rdr Comment	Mtr Amount Online
10/31/2020	2020	1921973	А	WEB	0 X
11/30/2020	2020	1936489	А	WEB	1.871 X
12/31/2020	2020	1985989	А	WEB	6.380 X
01/31/2021	2021	1998414	А	ad	1.601
02/28/2021	2021	2034331	А	ad	4.629
03/03/2021	2021	2073034	А	ad	4.989
04/30/2021	2021	2131550	А	ad	7.542
05/31/2021	2021	2193675	А	ad	8.007
06/03/2021	2021	2231051	А	ad	4.818
07/31/2021	2021	2235097	А	ad	0.522
08/31/2021	2021	2256278	А	ad	2.730
09/30/2021	2021	2278765	А	ad	2.898
10/31/2021	2021	2341766	А	ad	8.120
11/30/2021	2021	2385855	А	ad	5.683
01/01/2022	2022	3927	А	ad	0
01/01/2022	2022	2419150	А	ad	4.292
01/31/2022	2022	20696	А	ad	2.161
02/28/2022	2022	51248	А	ad	3.938
03/31/2022	2022	71830	А	ad	2.653
04/30/2022	2022	126027	А	ad	6.986
06/01/2022	2022	146374	А	ad	2.623
07/01/2022	2022	168857	А	ad	2.898
08/01/2022	2022	168870	А	ad	0.002
09/01/2022	2022	168870	А	ad	0
10/01/2022	2022	168984	А	ad	0.015
11/01/2022	2022	206242	А	WEB	4.802 X
12/01/2022	2022	206242	А	WEB	0 X
01/01/2023	2022	304824	А	WEB	12.707 X
02/01/2023	2023	355253	А	WEB	6.500 X
03/01/2023	2023	418392	А	WEB	8.138 X
04/01/2023	2023	446952	А	WEB	3.681 X
**YTD Meter	r Amount	s: Year	A	mount	
		2015		53.915	
		2016	27	29.509	
		2017	79	974.898	
		2018	73	398.963	
		2019		86.745	
		2020		39.399	
		2021		51.539	
		2022		43.077	
		2023		18.319	

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



APPENDIX C

Lithologic Soil Sampling Logs

		_							Sample Name: BH01	Date: 5/30/23
		1			C		U		Site Name: Wool Head Pad D	
					2				Incident Number: nAPP23122448	397
									Job Number: 03A2270001	
			LITHOL	OGI	C / SOIL S	AMPLING	i LOG		Logged By: Cole Burton	Method: Hand Auger
Сооі	rdina		2.45801,		-				Hole Diameter: 3"	Total Depth: 2'
			d screeni actors inc			ith Chloride	Titration. Ch	nloride tes	t performed with 1:1 dilution fact	or of soil to distilled water.
Moisture	Content	chioride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions
М					BH01	0	0	ССНС	0 - 1' Caliche, Medium b Moist, Light	-
м					BH01	1	- 1 -	SP-SM	1 -2' Sand, Dark brown, Moist, Non	
М		400			BH01	2	2	SP-SM	0 -2' Sand W/ trace silt, F	ine grade, Light brown
K	I					-	L	x Depth	ן ז'	

ENSOLUM Site Name: Wool Head Pad D Incident Number: nAPP2312244897 Job Number: 03A2270001 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Cole Burton Method: Hand Auge Coordinates: 32.45801, -103.602108 Hole Diameter: 3" Comments: Field screening conducted with Chloride Titration. Chloride test performed with 1:1 dilution factor of soil to distilled wa No correction factors included. Image: Sample of the section factors included. Sample of the best of th						Sample Name: BH02	Date: 5/30/23				
Introduction of the second se			6 6								
Job Number: 03A2270001 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Cole Burton Method: Hand Auge Coordinates: 32.45801, -103.602108 Hole Diameter: 3" Total Depth: 2' Comments: Field screening conducted with Chloride Titration. Chloride test performed with 1:1 dilution factor of soil to distilled wa No correction factors included. ant ion of box ion of box ion of box Sample Depth (ft bgs) Depth (f			3 (U IVI		97				
LITHOLOGIC / SOIL SAMPLING LOG Logged By: Cole Burton Method: Hand Auge Coordinates: 32.45801, -103.602108 Hole Diameter: 3" Total Depth: 2' Comments: Field screening conducted with Chloride Titration. Chloride test performed with 1:1 dilution factor of soil to distilled wa No correction factors included. Image: Second Coordinates: 30, 40, 20, 20, 20, 20, 20, 20, 20, 20, 20, 2											
Coordinates: 32.45801, -103.602108 Hole Diameter: 3" Total Depth: 2' Comments: Field screening conducted with Chloride Titration. Chloride test performed with 1:1 dilution factor of soil to distilled wa No correction factors included. Yor of the Diameter: 3" Total Depth: 2' Output: 0 Output: 0 Total Depth: 2' Output: 0 Condeter: 3" Total Depth: 2' Output: 0 Output: 0 Total Depth: 2' No correction factors included. Depth Content of Soil to distilled wa No correction factors included. Depth Depth Content of Soil to distilled wa Output: 0 Sample Depth Content of Soil to distilled wa Output: 0 Output: 0 Content of Soil	L	LITHOLOGIC	C / SOIL SAN	IPLING LOG	6		Method: Hand Auger				
No correction factors included.			-								
				Chloride Titrati	ion. Chloride te	t performed with 1:1 dilution facto	r of soil to distilled water.				
	Molsture Content Chloride (ppm)	Vapor (ppm) Staining		epth (ft)		Lithologic Des	scriptions				
M BH02 0 III 0 CCHC 0 - 1' Caliche, Medium brown, Medium grad Moist, Light staining	M		BH02	0 11	о сснс		-				
M BH02 1 1 SP-SM 1 - 2' Sand, Dark brown, Medium grade, Re Moist, Noncohesive	M		BH02		1 SP-SM						
M 400 BH02 2 2 2 SP-SM 0 - 2' Sand W/ trace silt, Fine grade, Light bro	M 400		BH02	2	2 SP-SM	0 - 2' Sand W/ trace silt, Fi	ne grade, Light brown				
Max Depth 2'				T	 Max Denth	 					

								Sample Name: BH03	Date: 6/1/23
				C			R A	Site Name: Wool Head Pad D	
				3	ΟΙ			Incident Number: nAPP23122448	97
								Job Number: 03A2270001	
		LITHOL	OGI	C / SOIL S		6 LOG		Logged By: Cole Burton	Method: Hand Auger
Coor	dinates: 32	2.45801,	-103.	602108				Hole Diameter: 3"	Total Depth: 6'
			-		ith Chloride er. No corre			hloride and vapor, respectively. C	hloride test performed with
Moisture	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
М				BH03	0	0	ССНС	0 - 1' Caliche, Medium bi Moist, Light	
М				BH03	1	. 1	SP-SM	1 -2' Sand, Dark brown, Moist, None	•
М	2000	2.8		BH03	2	2	SP-SM	2 -3' Sand W/ trace silt, F	ine grade, Dark brown
М				BH03	3	- 3	SP-SM	3 -4' Sand W/ trace silt, F	ine grade, Dark brown
М				BH03	4	4	SP-SM	4 -5' Sand W/ trace silt, F	ine grade, Dark brown
М				BH03	5	5	SP-SM	5 -6' Sand W/ trace silt, F	ine grade, Dark brown
М				BH03	6	- - 6 -	SP-SM	6 -7' Sand W/ trace silt, F	ine grade, Dark brown
					-				
						IVIa	x Depth	D	
						\sim			
							$\overline{}$		
								$\overline{}$	
									\searrow

									Sample Name: BH04	Date: 5/31/23
		1		NI	C		LU	R A	Site Name: Wool Head Pad D	•
									Incident Number: nAPP231224489)7
									Job Number: 03A2270001	
			LITHOL	OGIO	C / SOIL S	SAMPLING	G LOG		Logged By: Cole Burton	Method: Hand Auger
			2.45801,						Hole Diameter: 3"	Total Depth: 2'
							Titration an ction factors		chloride and vapor, respectively. Ch	loride test performed with
Moisture	Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	scriptions
Μ	1				BH04	0	0	ССНС	0 - 1' Caliche, Medium bro Moist, Light	
М	1				BH04	1	1	SP-SM	1 -2' Sand, Dark brown, Moist, Nonc	-
М	1	1300	1.3		BH04	2	2	SP-SM	0 -2' Sand W/ trace silt, Fir	ne grade, Light brown
\mathbb{N}	I			I		-	L Ma	I Ix Depth	2'	
			\mathbf{i}							
									\mathbf{i}	
1										
1										
1										
1										
										\mathbf{i}
1										

C							Date: 5/31/23
E						Sample Name: BH05 Site Name: Wool Head Pad D	Date: 5/31/23
		N D	UL	. U	Μ	Incident Number: nAPP23122448	97
						Job Number: 03A2270001	57
		GIC / SOIL SA		LOG		Logged By: Cole Burton	Method: Hand Auger
Coordinates: 32.						Hole Diameter: 3"	Total Depth: 5 ft bgs
	screening c	conducted with				ride and vapor, respectively. Chlor	
Moisture Content Chloride (ppm)		Staining Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
M		BH05	0	0	ССНС	0 - 1' Caliche, Medium bı Moist, Light	
М		BH05	1	1	SP-SM	1 -2' Sand, Dark brown, Moist, None	
M 500	1	BH05	2	2	SP-SM	1 -2' Sand W/ trace silt, Fi	ine grade, Dark brown
м		BH05	2.5	2.5	SP-SM	1 -2' Sand W/ trace silt, F	ine grade, Dark brown
			-	3 			
M 1,276.8	3 0	BH05	4	4	SP-SM	1-2' Sand W/abundant lime sorted, light brown	estone gravel, poorly
M 515.2	0	BH05	5	5	SAA	SAA TD at 5 ft bgs Refusal at 5	5 ft bgs

								Sample Name: BH06	Date: 5/31/23
				C				Site Name: Wool Head Pad D	
				3	OL			Incident Number: nAPP23122448	97
								Job Number: 03A2270001	
		LITHOL	OGIC	/ SOIL S	AMPLING	LOG		Logged By: Cole Burton	Method: Hand Auger
Coord	inates: 32.			-				Hole Diameter: 3"	Total Depth: 8 ft bgs
Comm	ents: Field	screenir	ng con	ducted wit	h Chloride T r. No correct			loride and vapor, respectively. Chlo	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
М				BH06	0	<u> </u>	ССНС	0 - 1' Caliche, Medium br Moist, Light	
М				BH06	1 _	- 1 -	SP-SM	1 -2' Sand, Dark brown, Moist, Nonc	-
м		23.9		BH06	2	2	SP-SM	2 -3' Sand W/ trace silt, Fine	e grade, Medium brown
м				BH06	3	3	SP-SM	3 -4' Sand W/ trace silt, Fine	e grade, Medium brown
М				BH06	4	- 4 -	SP-SM	4 -5' Sand W/ trace silt, Fine	e grade, Medium brown
М	500			BH06	5	5 	SP-SM	5 -6' Sand W/ trace silt, Fine	e grade, Medium brown
М	280	0		BH06	6	- 6 -	SAA	SAA	
М	173.6	0		BH06	7	- - 7 - 7	SAA	SAA	
м	571.2	0		BH06	8	8	SP-SM	5-6' Sand W/abundant lime sorted, light brown TD at 8 ft bgs	stone gravel, poorly

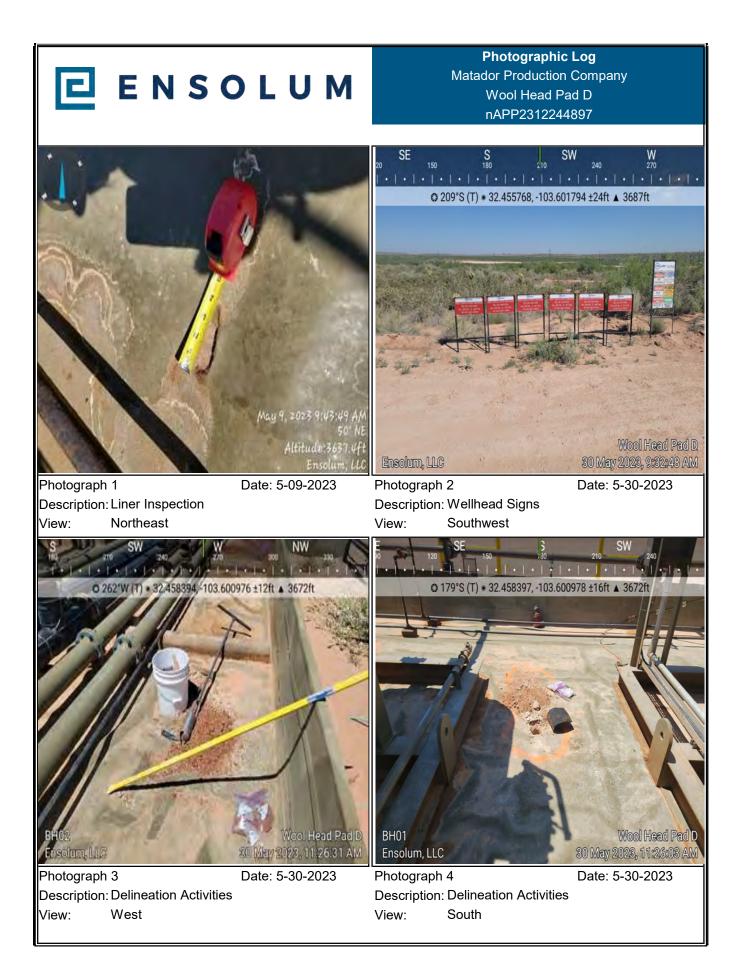
Comme	L nates: 32.45 ents: Field s	ITHOLO 801, -103 creening o oil to disti	GIC 3.602 condu	/ SOIL SA 108 ucted with	MPLING	. U	M	Sample Name: BH07 Site Name: Wool Head Pad D Incident Number: nAPP231224489 Job Number: 03A2270001 Logged By: Cole Burton	
Comme dilution	L nates: 32.45 ents: Field so n factor of so	ITHOLO 801, -103 creening o oil to disti	GIC 3.602 condu	/ SOIL SA 108 ucted with	MPLING			Incident Number: nAPP231224489 Job Number: 03A2270001	
Comme dilution	nates: 32.45 ents: Field so n factor of so	801, -103 creening oil to disti	3.602 condu illed v	108 ucted with		LOG		Job Number: 03A2270001	
Comme dilution	nates: 32.45 ents: Field so n factor of so	801, -103 creening oil to disti	3.602 condu illed v	108 ucted with		LOG			
Comme dilution	nates: 32.45 ents: Field so n factor of so	801, -103 creening oil to disti	3.602 condu illed v	108 ucted with					Method: Hand Auger
Comme dilution	ents: Field so factor of so	creening o oil to disti	condu illed v	ucted with	Chlorido Titu			Hole Diameter: 3"	Total Depth: 10 ft bgs
dilution	factor of s	oil to disti	illed v		cilionae nu	ation and PI	D for chlo	ride and vapor, respectively. Chlori	
oisture ontent	Chloride (ppm)	or n)			orrection fa	ctors include	ed.		
ğŭ		Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	scriptions
М				BH07	0	0	CCHC	0 - 1' Caliche, Medium bro	own, Medium grade,
					-	-		Moist, Light	-
					-	-			
Μ				BH07	1 _ -	_ 1 -	SP-SM	1 -2' Sand, Dark brown, Mec Noncohe	
М				BH07	2	2	SP-SM	2 -3' Sand W/ trace silt, Fir	ne grade, Dark brown
м	1000			BH07	3	3	SP-SM	3 -4' Sand W/ trace silt, Fir	ne grade, Dark brown
м	900			BH07	4	4	SP-SM	4 -5' Sand W/ trace silt, Fir	ne grade, Dark brown
м				BH07	5	5 5	SP-SM	5 -6' Sand W/ trace silt, Fir	ne grade, Dark brown
м	1000			BH07	6	6	SP-SM	6 -7' Sand W/ trace silt, Fir	ne grade, Dark brown
М				BH07	7	7	SP-SM	7 -8' Sand W/ trace silt, Fine	grade, Dark brown
м				BH07	8	- 8	SP-SM	8 -9' Sand W/ trace silt, Fine	grade, Dark brown
м	500			BH07	9 _	9	SP-SM	9 -9.5' Sand W/ trace silt, Fir	
Μ	500			BH07	9.5	F		9.5 -10' Sand W/ trace silt, F	ine grade, Dark brown
м	459.2	0		BH07	10	10	SAA	SAA TD at 10 ft bgs	

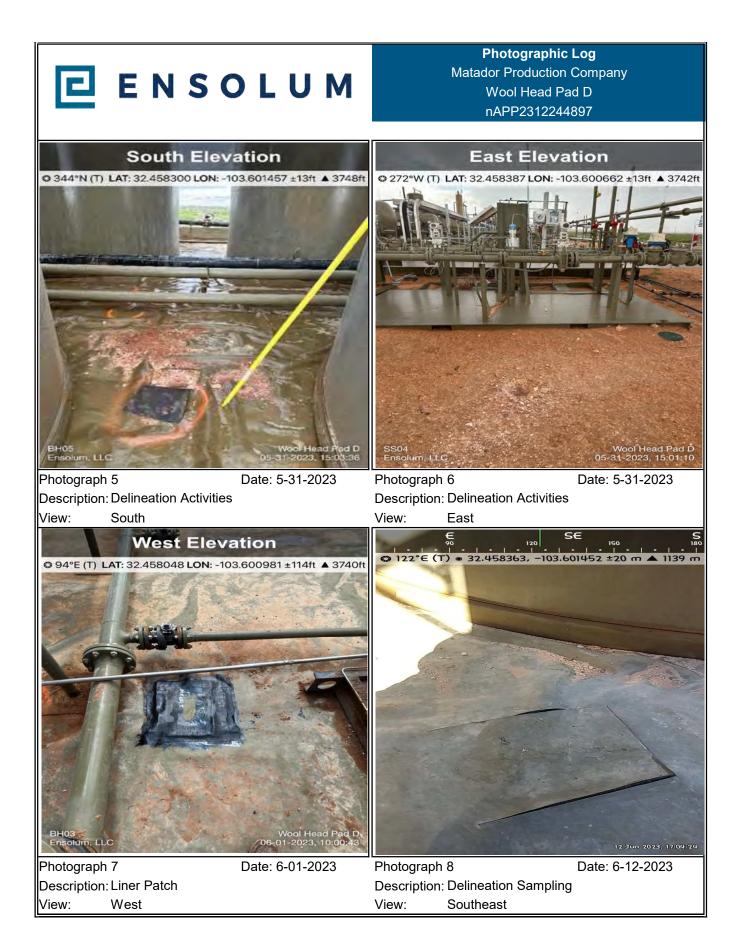


APPENDIX D

Photographic Log

Released to Imaging: 10/3/2023 8:15:22 AM



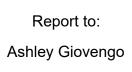






APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation





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:

Wool Head Pad D

Work Order: E306009

Job Number: 23052-0001

Received: 6/2/2023

Revision: 3

Report Reviewed By:

Walter Hinchman Laboratory Director 6/8/23

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: 6/8/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Wool Head Pad D Workorder: E306009 Date Received: 6/2/2023 8:15:00AM

Ashley Giovengo,



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Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/2/2023 8:15:00AM, under the Project Name: Wool Head Pad D.

The analytical test results summarized in this report with the Project Name: Wool Head Pad D 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

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

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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

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

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Sample Summary

		Sampic Sum	initian y		
Matador Production Company		Project Name:	Wool Head Pad D		Reported:
3122 National Parks HWY		Project Number:	nber: 23052-0001		-
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		06/08/23 15:02
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01C - 0.5'	E306009-01A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
SS02 - 0'	E306009-02A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
SS03 - 0'	E306009-03A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
SS04 - 0'	E306009-04A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
SS05A - 0'	E306009-05A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
SS06B - 0.5'	E306009-06A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
BH01 - 0'	E306009-07A	Soil	05/30/23	06/02/23	Glass Jar, 4 oz.
BH01 - 1'	E306009-08A	Soil	05/30/23	06/02/23	Glass Jar, 4 oz.
BH01 - 2'	E306009-09A	Soil	05/30/23	06/02/23	Glass Jar, 4 oz.
BH02 - 0'	E306009-10A	Soil	05/30/23	06/02/23	Glass Jar, 4 oz.
BH03 - 0'	E306009-11A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
BH03 - 1'	E306009-12A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
BH03 - 2'	E306009-13A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
BH04 - 0'	E306009-14A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
BH04 - 1'	E306009-15A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
BH04 - 2'	E306009-16A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
BH05 - 0'	E306009-17A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
3H05 - 1'	E306009-18A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
BH05 - 2'	E306009-19A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
BH06 - 0'	E306009-20A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.



	56	impic D	ata			
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 2305	ol Head Pad D 52-0001 ley Giovengo			Reported: 6/8/2023 3:02:57PM
Carisbad NM, 88220	Project Manag	er. Asn	ley Glovengo			0/8/2023 3:02:37FW
	S	SS01C - 0.5'				
		E306009-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2322055
Benzene	ND	0.0250	1	06/02/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/02/23	
Toluene	ND	0.0250	1	06/02/23	06/02/23	
p-Xylene	ND	0.0250	1	06/02/23	06/02/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/02/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/02/23	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2322055
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2322052
Diesel Range Organics (C10-C28)	26.9	25.0	1	06/02/23	06/02/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/02/23	
Surrogate: n-Nonane		113 %	50-200	06/02/23	06/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2322060
Chloride	319	20.0	1	06/02/23	06/05/23	



	5	ampie D	ata			
Matador Production Company	Project Name	: Woo	l Head Pad D			
3122 National Parks HWY	Project Numb		52-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ey Giovengo			6/8/2023 3:02:57PM
		SS02 - 0'				
		E306009-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2322055
Benzene	ND	0.0250	1	06/02/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/02/23	
Foluene	ND	0.0250	1	06/02/23	06/02/23	
p-Xylene	ND	0.0250	1	06/02/23	06/02/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/02/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/02/23	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: IY		Batch: 2322055
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2322052	
Diesel Range Organics (C10-C28)	65.6	25.0	1	06/02/23	06/02/23	
Dil Range Organics (C28-C36)	65.5	50.0	1	06/02/23	06/02/23	
Surrogate: n-Nonane		108 %	50-200	06/02/23	06/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2322060
Chloride	416	20.0	1	06/02/23	06/05/23	



		ampic D	utu			
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 2303	ol Head Pad D 52-0001 ley Giovengo			Reported: 6/8/2023 3:02:57PM
		SS03 - 0'				
		E306009-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2322055
Benzene	ND	0.0250	1	06/02/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/02/23	
oluene	ND	0.0250	1	06/02/23	06/02/23	
o-Xylene	ND	0.0250	1	06/02/23	06/02/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/02/23	06/02/23	
urrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: IY		Batch: 2322055
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/02/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2322052
Diesel Range Organics (C10-C28)	89.2	25.0	1	06/02/23	06/02/23	
Dil Range Organics (C28-C36)	89.9	50.0	1	06/02/23	06/02/23	
Surrogate: n-Nonane		111 %	50-200	06/02/23	06/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2322060
Chloride	32.1	20.0	1	06/02/23	06/05/23	



	D	ample D	ala			
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 230	ol Head Pad D 52-0001 ley Giovengo			Reported: 6/8/2023 3:02:57PM
		SS04 - 0'				
		E306009-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2322055
Benzene	ND	0.0250	1	06/02/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/02/23	
Foluene	ND	0.0250	1	06/02/23	06/02/23	
p-Xylene	ND	0.0250	1	06/02/23	06/02/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/02/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/02/23	
Surrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2322055
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Batch: 2322052		
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/02/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/02/23	
Surrogate: n-Nonane		115 %	50-200	06/02/23	06/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2322060
Chloride	456	20.0	1	06/02/23	06/05/23	



	D	ampic D	ala			
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230	ol Head Pad D 52-0001 ley Giovengo			Reported: 6/8/2023 3:02:57PM
		SS05A - 0'				
		E306009-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2322055
Benzene	ND	0.0250	1	06/02/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/02/23	
Toluene	ND	0.0250	1	06/02/23	06/02/23	
p-Xylene	ND	0.0250	1	06/02/23	06/02/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/02/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/02/23	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2322055
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2322052
Diesel Range Organics (C10-C28)	192	25.0	1	06/02/23	06/02/23	
Oil Range Organics (C28-C36)	137	50.0	1	06/02/23	06/02/23	
Surrogate: n-Nonane		115 %	50-200	06/02/23	06/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2322060
Chloride	501	20.0	1	06/02/23	06/05/23	



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Matador Production Company 3122 National Parks HWY	Project Name: Project Numbe		ol Head Pad D 52-0001			Reported:
Carlsbad NM, 88220	Project Manag		ley Giovengo			6/8/2023 3:02:57PM
	S	SS06B - 0.5'				
		E306009-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2322055
Benzene	ND	0.0250	1	06/02/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/02/23	
Toluene	ND	0.0250	1	06/02/23	06/02/23	
o-Xylene	ND	0.0250	1	06/02/23	06/02/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/02/23	06/02/23	
Surrogate: 4-Bromochlorobenzene-PID		93.4 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	Analyst: IY		Batch: 2322055
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2322052
Diesel Range Organics (C10-C28)	61.8	25.0	1	06/02/23	06/02/23	
Dil Range Organics (C28-C36)	60.9	50.0	1	06/02/23	06/02/23	
Surrogate: n-Nonane		114 %	50-200	06/02/23	06/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2322060
Chloride	439	20.0	1	06/02/23	06/05/23	



	5	ample D	ala			
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220	Project Name Project Numb Project Manag	ber: 230	ol Head Pad D 52-0001 ley Giovengo			Reported: 6/8/2023 3:02:57PM
		BH01 - 0'				
		E306009-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2322055
Benzene	ND	0.0250	1	06/02/23	06/02/23	
thylbenzene	ND	0.0250	1	06/02/23	06/02/23	
oluene	ND	0.0250	1	06/02/23	06/02/23	
-Xylene	ND	0.0250	1	06/02/23	06/02/23	
,m-Xylene	ND	0.0500	1	06/02/23	06/02/23	
Total Xylenes	ND	0.0250	1	06/02/23	06/02/23	
urrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2322055
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/02/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Batch: 2322052		
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/02/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/02/23	
'urrogate: n-Nonane		113 %	50-200	06/02/23	06/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2322060
Chloride	873	20.0	1	06/02/23	06/05/23	



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Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 230	ol Head Pad D 52-0001 ley Giovengo			Reported: 6/8/2023 3:02:57PM
		BH01 - 1'				
		E306009-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2322055
Benzene	ND	0.0250	1	06/02/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/02/23	
Toluene	ND	0.0250	1	06/02/23	06/02/23	
p-Xylene	ND	0.0250	1	06/02/23	06/02/23	
p,m-Xylene	ND	0.0500	1	06/02/23	06/02/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/02/23	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: IY		Batch: 2322055
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2322052
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/02/23	
Surrogate: n-Nonane		116 %	50-200	06/02/23	06/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2322060
Chloride	69.6	20.0	1	06/02/23	06/07/23	



	Di Di	ample D	ala			
Matador Production Company 3122 National Parks HWY	Project Name: Project Numbe		ol Head Pad D 52-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			6/8/2023 3:02:57PM
		BH01 - 2'				
		E306009-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2322055
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Foluene	ND	0.0250	1	06/02/23	06/03/23	
p-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: IY			Batch: 2322055
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana		Batch: 2322052	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/02/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/02/23	
Surrogate: n-Nonane		111 %	50-200	06/02/23	06/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2322060
Chloride	62.1	20.0	1	06/02/23	06/07/23	



	50	imple D	ala			
Matador Production Company 3122 National Parks HWY	Project Name: Project Numbe		ol Head Pad D 52-0001			Reported:
Carlsbad NM, 88220	Project Manage	er: Ash	ley Giovengo		6/8/2023 3:02:57PM	
		BH02 - 0'				
	1	E306009-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2322055	
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	0.174	0.0250	1	06/02/23	06/03/23	
Toluene	0.0280	0.0250	1	06/02/23	06/03/23	
o-Xylene	0.238	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	0.625	0.0500	1	06/02/23	06/03/23	
Total Xylenes	0.863	0.0250	1	06/02/23	06/03/23	
urrogate: 4-Bromochlorobenzene-PID		103 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: IY		Batch: 2322055
Gasoline Range Organics (C6-C10)	27.1	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2322052
Diesel Range Organics (C10-C28)	15300	500	20	06/02/23	06/06/23	
Dil Range Organics (C28-C36)	5980	1000	20	06/02/23	06/06/23	
Surrogate: n-Nonane		111 %	50-200	06/02/23	06/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: BA		Batch: 2322060
Chloride	1570	20.0	1	06/02/23	06/05/23	



	5	ample D	ala			
Matador Production Company	Project Name		ol Head Pad D			
3122 National Parks HWY	Project Numb		52-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			6/8/2023 3:02:57PM
		BH03 - 0'				
		E306009-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2322055
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Toluene	ND	0.0250	1	06/02/23	06/03/23	
p-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Total Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		92.6 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2322055
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: KM			Batch: 2322052
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
Surrogate: n-Nonane		105 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2322060
Chloride	124	20.0	1	06/02/23	06/05/23	

	Di Di	ample D	ala				
Matador Production Company	Project Name:		ol Head Pad D			D	
3122 National Parks HWY	Project Number		52-0001			Reported: 6/8/2023 3:02:57PM	
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			6/8/2023 3:02:37PM	
		BH03 - 1'					
		E306009-12					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2322055		
Benzene	ND	0.0250	1	06/02/23	06/03/23		
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23		
Toluene	ND	0.0250	1	06/02/23	06/03/23		
p-Xylene	ND	0.0250	1	06/02/23	06/03/23		
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23		
Fotal Xylenes	ND	0.0250	1	06/02/23	06/03/23		
Surrogate: 4-Bromochlorobenzene-PID		88.1 %	70-130	06/02/23	06/03/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2322055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	06/02/23	06/03/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: KM			Batch: 2322052	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23		
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23		
Surrogate: n-Nonane		111 %	50-200	06/02/23	06/03/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2322060	
Chloride	114	20.0	1	06/02/23	06/05/23		



	5	ample D	ala				
Matador Production Company	Project Name	: Woo	l Head Pad D)			
3122 National Parks HWY	Project Numb	er: 2303	52-0001			Reported:	
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			6/8/2023 3:02:57PM	
		BH03 - 2'					
		E306009-13					
		Reporting					
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2322055		
Benzene	ND	0.0250	1	06/02/23	06/03/23		
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23		
Toluene	ND	0.0250	1	06/02/23	06/03/23		
o-Xylene	ND	0.0250	1	06/02/23	06/03/23		
p,m-Xylene	ND	0.0500	1	06/02/23	06/03/23		
Fotal Xylenes	ND	0.0250	1	06/02/23	06/03/23		
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	06/02/23	06/03/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2322055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	06/02/23	06/03/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: KM			Batch: 2322052	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23		
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23		
Surrogate: n-Nonane		115 %	50-200	06/02/23	06/03/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2322060	
Chloride	112	20.0	1	06/02/23	06/05/23		



	5	ample D	ala					
Matador Production Company	Project Name:	Woo	ol Head Pad D					
3122 National Parks HWY	Project Numb	er: 2303	52-0001			Reported:		
Carlsbad NM, 88220	0 Project Manager: Ashley Giovengo							
		BH04 - 0'						
		E306009-14						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2322055		
Benzene	ND	0.0250	1	06/02/23	06/03/23			
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23			
Toluene	ND	0.0250	1	06/02/23	06/03/23			
p-Xylene	ND	0.0250	1	06/02/23	06/03/23			
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23			
Total Xylenes	ND	0.0250	1	06/02/23	06/03/23			
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	06/02/23	06/03/23			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2322055		
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23			
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	06/02/23	06/03/23			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2322052		
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23			
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23			
Surrogate: n-Nonane		108 %	50-200	06/02/23	06/03/23			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2322060		
Chloride	7520	200	10	06/02/23	06/05/23			



	5	ample D	ala			
Matador Production Company	Project Name:		ol Head Pad I	D		
3122 National Parks HWY	Project Numb		52-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo)		6/8/2023 3:02:57PM
		BH04 - 1'				
		E306009-15				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	А	Analyst: IY		Batch: 2322055
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Toluene	ND	0.0250	1	06/02/23	06/03/23	
p-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: IY		Batch: 2322055
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2322052
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
Surrogate: n-Nonane		111 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: BA		Batch: 2322060
Chloride	42.6	20.0	1	06/02/23	06/05/23	



	5	ample D	ala				
Matador Production Company	Project Name	: Woo	l Head Pad	D			
3122 National Parks HWY	Project Numb	er: 230	52-0001				Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Gioveng	go			6/8/2023 3:02:57PM
		BH04 - 2'					
		E306009-16					
		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2322055
Benzene	ND	0.0250	1		06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1		06/02/23	06/03/23	
Foluene	ND	0.0250	1		06/02/23	06/03/23	
p-Xylene	ND	0.0250	1		06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1		06/02/23	06/03/23	
Fotal Xylenes	ND	0.0250	1		06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130		06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2322055
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.1 %	70-130		06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: KM			Batch: 2322052	
Diesel Range Organics (C10-C28)	ND	25.0	1		06/02/23	06/03/23	
Dil Range Organics (C28-C36)	ND	50.0	1		06/02/23	06/03/23	
Surrogate: n-Nonane		115 %	50-200		06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst:	BA		Batch: 2322060
Chloride	251	20.0	1		06/02/23	06/07/23	



	5	ample D	ala			
Matador Production Company	Project Name:	: Woo	ol Head Pad D)		
3122 National Parks HWY	Project Numb	er: 230	52-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			6/8/2023 3:02:57PM
		BH05 - 0'				
		E306009-17				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2322055
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Toluene	ND	0.0250	1	06/02/23	06/03/23	
p-Xylene	ND	0.0250	1	06/02/23	06/03/23	
p,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	Analyst: IY		Batch: 2322055
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2322052
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
Surrogate: n-Nonane		115 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2322060
Chloride	1560	20.0	1	06/02/23	06/06/23	



Project Name: Project Number		Wool Head Pad D 23052-0001				Reported:
5		Ashley Giovengo				6/8/2023 3:02:57PM
	BH05 - 1'					
]	E306009-18					
	Reporting					
Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst: IY		Batch: 2322055		
ND	0.0250		1	06/02/23	06/03/23	
ND	0.0250		1	06/02/23	06/03/23	
ND	0.0250		1	06/02/23	06/03/23	
ND	0.0250		1	06/02/23	06/03/23	
ND	0.0500		1	06/02/23	06/03/23	
ND	0.0250		1	06/02/23	06/03/23	
	95.0 %	70-130		06/02/23	06/03/23	
mg/kg	mg/kg	Analyst: IY			Batch: 2322055	
ND	20.0		1	06/02/23	06/03/23	
	92.6 %	70-130		06/02/23	06/03/23	
mg/kg	mg/kg	g Analyst: KM			Batch: 2322052	
ND	25.0		1	06/02/23	06/03/23	
ND	50.0		1	06/02/23	06/03/23	
	111 %	50-200		06/02/23	06/03/23	
mg/kg	mg/kg		Analyst:	BA		Batch: 2322060
229	20.0		1	06/02/23	06/06/23	
	Project Number Project Manage Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Number: 230 Project Manager: Ash Project Manager: BH05 - 1' E306009-18 E306009-18 Result Reporting Result Limit mg/kg mg/kg ND 0.0250 ND 20.00 92.6 % 10 ND 25.0 ND 25.0 ND 25.0 ND 50.0 ND 50.0 ND 50.0 ND 50.0	Project Number: 23052-0001 Ashley Gioven Project Manager: Ashley Gioven BH05 - 1' Image Constraints E306009-18 Image Constraints Result Limit Dimage Constraints Mg/kg mg/kg Image Constraints MD 0.0250 Image Constraints ND 0.0250 Image Constraints ND 0.0250 Image Constraints ND 0.0250 Image Constraints MD 0.0250 Image Constraints MD 20.0 Image Constraints MD 20.0 Image Constraints MD 20.0 Image Constraints MD 20.0 Image Constraints MD 25.0 Im	Project Number: 23052-0001 Project Manager: Ashley Giovengo BH05 - 1' E306009-18 E306009-18 E306009-18 Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 MD 20.00 1 mg/kg mg/kg Analyst: ND 20.0 1 ND 25.0 1 ND 25.0 1 ND 50.0 1 ND 50.0 1 ND 50.0 1 ND 50.200 <td>Project Number: $23052-0001$ Project Manager: $Ashley Giovengo$ BH05 - 1' $Ashley Giovengo$ BH05 - 1' $E306009-18$ E306009-18 $Prepared$ Result $Dilution$ Prepared Mp/Kg mg/kg $Analyst: V$ ND 0.0250 1 $06/02/23$ ND 0.020 1 $06/02/23$ MD 20.0 1 $06/02/23$ MD 20.0 1 $06/02/23$ MD 25.0 1 $06/02/23$ MD 25.0 1 $06/02/23$ ND 25.0 1 $06/02/23$ ND<td>Project Number: 23052-0001 Project Manager: Ashley Giovengo BH05 - 1' E306009-18 E306009-18 V Result Limit Dilution Prepared Analyzed Mg/kg mg/kg Analyst: IV V ND 0.0250 1 06/02/23 06/03/23 ND 20.0% 70-130 06/02/23 06/03/23 mg/kg mg/kg Analyst: K V ND 25.0 1 06/02/23 06/03/23 ND <</td></td>	Project Number: $23052-0001$ Project Manager: $Ashley Giovengo$ BH05 - 1' $Ashley Giovengo$ BH05 - 1' $E306009-18$ E306009-18 $Prepared$ Result $Dilution$ Prepared Mp/Kg mg/kg $Analyst: V$ ND 0.0250 1 $06/02/23$ ND 0.020 1 $06/02/23$ MD 20.0 1 $06/02/23$ MD 20.0 1 $06/02/23$ MD 25.0 1 $06/02/23$ MD 25.0 1 $06/02/23$ ND 25.0 1 $06/02/23$ ND <td>Project Number: 23052-0001 Project Manager: Ashley Giovengo BH05 - 1' E306009-18 E306009-18 V Result Limit Dilution Prepared Analyzed Mg/kg mg/kg Analyst: IV V ND 0.0250 1 06/02/23 06/03/23 ND 20.0% 70-130 06/02/23 06/03/23 mg/kg mg/kg Analyst: K V ND 25.0 1 06/02/23 06/03/23 ND <</td>	Project Number: 23052-0001 Project Manager: Ashley Giovengo BH05 - 1' E306009-18 E306009-18 V Result Limit Dilution Prepared Analyzed Mg/kg mg/kg Analyst: IV V ND 0.0250 1 06/02/23 06/03/23 ND 20.0% 70-130 06/02/23 06/03/23 mg/kg mg/kg Analyst: K V ND 25.0 1 06/02/23 06/03/23 ND <



	Di	ample D	ala			
Matador Production Company 3122 National Parks HWY	Project Name: Project Numbe		ol Head Pad D 52-0001			Reported:
Carlsbad NM, 88220	Project Manag		6/8/2023 3:02:57PM			
		BH05 - 2'				
		E306009-19				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2322055	
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Toluene	ND	0.0250	1	06/02/23	06/03/23	
p-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Total Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2322055
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2322052
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/03/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/03/23	
Surrogate: n-Nonane		109 %	50-200	06/02/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2322060
Chloride	10500	200	10	06/02/23	06/05/23	



	5	ampic D	ala			
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230	ol Head Pad D 52-0001 ley Giovengo	Reported: 6/8/2023 3:02:57PM		
		BH06 - 0'				
		E306009-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2322055	
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	0.183	0.0250	1	06/02/23	06/03/23	
Foluene	ND	0.0250	1	06/02/23	06/03/23	
p-Xylene	0.491	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	0.987	0.0500	1	06/02/23	06/03/23	
Fotal Xylenes	1.48	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: IY		Batch: 2322055
Gasoline Range Organics (C6-C10)	33.7	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2322052
Diesel Range Organics (C10-C28)	7640	250	10	06/02/23	06/06/23	
Oil Range Organics (C28-C36)	2560	500	10	06/02/23	06/06/23	
Surrogate: n-Nonane		110 %	50-200	06/02/23	06/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: BA		Batch: 2322060
Chloride	5470	40.0	2	06/02/23	06/05/23	

QC Summary Data

			-					
	Project Name: Project Number:	23	3052-0001					Reported:
	Project Manager:	A	shley Gioveng	go				6/8/2023 3:02:57PM
	Volatile O	rganics k	oy EPA 802	21B				Analyst: IY
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	6/02/23 A	analyzed: 06/02/23
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
7.69		8.00		96.1	70-130			
						Prepared: 0	6/02/23 A	analyzed: 06/02/23
4.87	0.0250	5.00		97.4	70-130			
4.85	0.0250	5.00		97.1	70-130			
4.99	0.0250	5.00		99.7	70-130			
4.97	0.0250	5.00		99.3	70-130			
9.87	0.0500	10.0		98.7	70-130			
14.8	0.0250	15.0		98.9	70-130			
7.73		8.00		96.7	70-130			
			Source:	E306009-	02	Prepared: 0	6/02/23 A	analyzed: 06/02/23
4.61	0.0250	5.00	ND	92.2	54-133			
4.59	0.0250	5.00	ND	91.8	61-133			
4.72	0.0250	5.00	ND	94.5	61-130			
4.71	0.0250	5.00	ND	94.2	63-131			
9.34	0.0500	10.0	ND	93.4	63-131			
14.0	0.0250	15.0	ND	93.6	63-131			
7.55		8.00		94.4	70-130			
			Source:	E306009-	02	Prepared: 0	6/02/23 A	analyzed: 06/02/23
4.69	0.0250	5.00	ND	93.8	54-133	1.69	20	
4.67	0.0250	5.00	ND	93.3	61-133	1.63	20	
4.80	0.0250	5.00	ND	96.0	61-130	1.61	20	
4.79	0.0250	5.00	ND	95.9	63-131	1.79	20	
9.49	0.0500	10.0	ND	94.9	63-131	1.67	20	
	mg/kg ND ND ND ND ND ND 7.69 4.87 4.85 4.99 4.97 9.87 14.8 7.73 4.61 4.59 4.72 4.71 9.34 14.0 7.55 4.69 4.67 4.80	Arroject Number: Project Manager: Volatile O Result Reporting mg/kg mg/kg ND 0.0250 X69 0.0250 7.69	ND 0.0250 S.00 4.87 4.87 0.0250 5.00 4.85 0.0250 5.00 4.99 0.0250 5.00 4.97 0.0250 5.00 4.61 0.0250 5.00 4.72 0.0250 5.00 4.71 0.0250 5.00 4.72 0.0250 5.00 9.34 0.0500 10.0	ND 0.0250 Spike Source ND 0.0250 mg/kg mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 5.00 4.87 9 0.0250 5.00 4.87 4.87 0.0250 5.00 15.0 9.87 0.0500 10.0 14.8 0.0250 5.00 ND ND 4.61 0.0250 5.00 ND 4.59 0.0250 5.00 ND 4.72 0.0250 5.00	Project Number: 23052-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting Limit Spike Level Source Result Rec mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg ND 0.0250 mg/kg mg/kg mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 96.1 4.87 0.0250 5.00 97.4 4.85 0.0250 5.00 99.3 9.0250 5.00 99.7 99.3 9.87 0.0250 5.00 99.3 9.87 0.0250 5.00 98.9 7.73 8.00 96.7 96.7 4.61 0.0250 5.00 ND 91.8 4.72 0.0250 5.00 ND 92.2 4.59 0.0250 5.00 ND 93.4	Project Number: 23052-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting mg/kg Spike mg/kg Source Result Rec Limit ND 0.0250 mg/kg % % ND 0.0250 support % % ND 0.0250 support support % % ND 0.0250 support support % % ND 0.0250 support % % % ND 0.0250 support % % % ND 0.0250 support % % % 4.87 0.0250 5.00 97.1 70-130 4.99 0.0250 5.00 99.7 70-130 4.97 0.0250 5.00 99.3 70-130 7.73 8.00 96.7 70-30 7.73 8.00 92.2 \$4-133 4.59 0.	ND Spike Source Rec Rec Limit RPD mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg RPD %	ND O.0250 Survey Rec Rec Rec RPD RPD Limit M0 0.0250 mg/kg mg/kg mg/kg %



QC Summary Data

	Reported: 6/8/2023 3:02:57PM
	Analyst: IY
RPD Li	RPD imit % Notes
D 1.00/02/	
Prepared: 06/02/2	23 Analyzed: 06/02/23
Prepared: 06/02/2	23 Analyzed: 06/02/23
Prepared: 06/02/2	23 Analyzed: 06/02/23
Prepared: 06/02/2	23 Analyzed: 06/02/23
5.84	20
	RPD L % Prepared: 06/02/ Prepared: 06/02/ Prepared: 06/02/ Prepared: 06/02/ Prepared: 06/02/

QC Summary Data

		QC D	u 111 111	ary Data					
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	:	Wool Head Pad D 23052-0001 Ashley Giovengo					Reported: 6/8/2023 3:02:57PM
	Nonh	alogenated Org	anics by	y EPA 8015D ·	- DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2322052-BLK1)							Prepared: 0	6/02/23 A	nalyzed: 06/02/23
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	60.8		50.0		122	50-200			
LCS (2322052-BS1)							Prepared: 0	6/02/23 A	nalyzed: 06/02/23
Diesel Range Organics (C10-C28)	278	25.0	250		111	38-132			
Surrogate: n-Nonane	56.1		50.0		112	50-200			
Matrix Spike (2322052-MS1)				Source: E.	306009-	20	Prepared: 0	6/02/23 A	nalyzed: 06/06/23
Diesel Range Organics (C10-C28)	8740	250	250	7640	443	38-132			M4
Surrogate: n-Nonane	52.4		50.0		105	50-200			
Matrix Spike Dup (2322052-MSD1)				Source: E	306009-	20	Prepared: 0	6/02/23 A	nalyzed: 06/06/23
Diesel Range Organics (C10-C28)	8760	250	250	7640	450	38-132	0.183	20	M4
Surrogate: n-Nonane	54.0		50.0		108	50-200			



QC Summary Data

		$\mathbf{x} \circ \sim$			•				
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	Vool Head Pad 1 3052-0001 shley Giovenge					Reported: 6/8/2023 3:02:57PM
		Anions	by EPA	300.0/9056A					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 (2322060-BLK1)							Prepared: 0	6/02/23 A	analyzed: 06/05/23
Chloride	ND	20.0							
LCS (2322060-BS1)							Prepared: 0	6/02/23 A	analyzed: 06/06/23
Chloride	246	20.0	250		98.3	90-110			
Matrix Spike (2322060-MS1)				Source: l	E 306009- 2	20	Prepared: 0	6/02/23 A	analyzed: 06/05/23
Chloride	5620	40.0	250	5470	57.8	80-120			M2
Matrix Spike Dup (2322060-MSD1)				Source: l	E 306009- 2	20	Prepared: 0	6/02/23 A	analyzed: 06/05/23
Chloride	5700	40.0	250	5470	89.7	80-120	1.41	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.



	Demition		
Matador Production Company	Project Name:	Wool Head Pad D	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/08/23 15:02

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. 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.



Relea

Page _____ of

Received by OCD: 7/13/2023 12:00:15 AM

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Client: Matador Production Company Bill To							Lab Use Only						10			TA		EPA Program		
I	Wool Hea Manager:		voongo		Attention: Matador Production Address: On File	Co	Lab WO# Job Number 1 E300009 2353-0001						1D	2D	3D	Sta	ndard X	CWA	SDW	
	: 3122 Nat				City, State, Zip:		Ee				A PROPERTY OF A		d Metho	-	1		T	^		RCRA
					Phone: 337-319-8398				-	-	Analys	sis an			-	-	_	-		RCRA
	te, Zip: Ca	Contraction of the second second	IVI 88220	2				0 pl										in the second	Ctarta	
none: 575-988-0055 Email: clinton.talley@matadorres						esources		/OR				1.1							State	Lawl
Contract 1 is	nail: agiovengo@ensolum.com							DRO,	21	0	0	0.00		MN		TX		NM CO	UT AZ	TX
eport c	lue by:							SO/E	y 80	82	601	le 3(×		
Time ampled	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	
10:42	5/31/23	S	1		SS01C-0.5'	1								x						
8:42	5/31/23	S	1		SS02-0'	2								x						
8:45	5/31/23	S	1		SS03-0'	3								x						
8:47	5/31/23	S	1		SS04-0'	4								x						
10:15	5/31/23	S	1		SS05A-0'	5								x						
10:10	5/31/23	S	1		SS06B-0.5'	6								x						
11:04	5/30/23	S	1		BH01-0'	7								x						
11:09	5/30/23	S	1		BH01-1'	8								x						
11:11	5/30/23	S	1		BH01-2'	9								x						
11:17	5/30/23	S	1		BH02-0'	10								x						
dition	nal Instruc	tions: Pr	eserved	on ice; Please c	c agiovengo cburton @ ensolum.co	m and clinto	n.tall	ey@r	mata	adori	resour	rces.	com on	lab	result	S				
eortigh	of collection	is consider		nticity of this sample. I may be grounds for	I am aware that tampering with or intentionally legal action. <u>Sampled by:</u>	mislabelling the sa	ample	locatio	n,									n ice the day 6 °C on subse	they are samp equent days.	led or
	ed by Sign	4	Date Old	101/23 100		Date (-1	23	Time 10	00		Recei	ived	on ice:	(se On I	ly			
	ed by: (Sign			1-23 Time		Date G.1.	23	Time	13	0	<u>T1</u>			<u>T2</u>]	гз		
M	ed by: (Sign:	ature) V	Date		100 Carth Man	- 0/2/2	23	Time	if	5	AVG	Tem	p°C	4				13		
				Aqueous, O - Other _		Containe														
					unless other arrangements are made. Haz the laboratory with this COC. The liability of										ent exp	ense.	The re	eport for th	ne analysis	of the

Release Project Information

Chain of Custody

Page Z of

Received by OCD: 7/13/2023 12:00:15 AM

Client: Matador Production Company Bill To									Lab I	Jse O	nly			T/	AT	EPA Prop	
roject	Wool Hea Manager: J 3122 Nat	Ashley G			Attention: Matador Produc Address: On File City, State, Zip:	<u>tion Co</u>	Lab W		9	23	Number	4	2D	3D	Standard X	CWA	SDWA RCRA
ty, Sta ione: ! nail: a	te, Zip: Ca 575-988-00 giovengo@ lue by:	rlsbad, N 055	IM 88220	2	Phone: 337-319-8398	Email: clinton.talley@matadorresources			8260		300.0	WN		TX		State UT AZ	TX
Time mpled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO bv	8015 BTEX bv 8021	VOC by 8	Is I	Chloride	BGDOC		GDOC		Remarks	
7:27	5/31/23	S	1		BH03-0'	11						X					
7:30	5/31/23	S	1		BH03-1'	12						x					
7:34	5/31/23	S	1		BH03-2	13						x					
7:45	5/31/23	S	1		BH04-0'	14						x					
7:50	5/31/23	S	1		BH04-1'	15						x					
7:52	5/31/23	S	1		BH04-2'	14						х					
3:00	5/31/23	S	1		BH05-1'	17						X					
3:05	5/31/23	S	1		BH05-2'	18						х					
8:06	5/31/23	S	1		BH05-3'	19						x					
3:15	5/31/23	S	1		BH06-0'	20						х					
dition	al Instruc	tions: P	reserved	on ice; Please	cc agiovengo cburton @ ensolur	m.com and clintor	talley	@ma	tado	rreso	urces.com o	n lab r	esult	ts			
or tip	of collection	is consider		nticity of this sample d may be grounds fo	e. I am aware that tampering with or intention regal action. <u>Sampled by:</u>	onally mislabelling the sa	mple loca	ation,		10000					eceived on ice the day less than 6 °C on subs		led or
R	ed by: (Signa	R'	Date O(01/23 10	Received by: (Signature)	Date	3	me 100 me	0	Rec	eived on ice		ab U	se On N	ıly		
Mid	ed by: (Signa	suf	Date		1 um Received by: (Stepature)	Do 6-1-	23	17	30	2 <u>T1</u>		<u>T2</u>			<u> </u>		
		- Solid, Sg	- Sludge, A -	-1-25 2 Aqueous, 0 - Other	ath Th	Ou 012/1 Containe	3 Type: 1	g - glas	S, p -		G Temp ^o C plastic, ag - ar		lass. v	v - VO	4		
e: Sam	ples are disc	arded 30	days after r	esults are reporte	d unless other arrangements are made. y the laboratory with this COC. The liabi	Hazardous samples	will be re	eturned	to cl	ient or	disposed of at	the clie				he analysis	of the
											B		-	n	vir	0	10
						Page 32 of	25				C	6			VII	U	IC

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Production Company Da	te Received:	06/02/23 08	:15	Work Order ID: E306009
Phone:	(575) 988-0055 Da	te Logged In:	06/02/23 08	:51	Logged In By: Caitlin Mars
Email:		e Date:		:00 (4 day TAT)	
Chain o	f Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match t	he COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: (Courier
4. Was th	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes		Comments/Resolution
Sample	<u>Turn Around Time (TAT)</u>				
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes		Project Wool Head Pad D has been
Sample	Cooler				separated into 2 reports due to high sample
	sample cooler received?		Yes		volume. Workorders are as follows:
8. If yes	, was cooler received in good condition?		Yes		E306009 and E306010.
9. Was th	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
11. If ye	s, were custody/security seals intact?		NA		
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample tem	perature: <u>4°</u>	<u>'C</u>		
Sample	<u>Container</u>				
14. Are	aqueous VOC samples present?		No		
15. Are	VOC samples collected in VOA Vials?		NA		
16. Is th	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	non-VOC samples collected in the correct containers?		Yes		
19. Is the	e appropriate volume/weight or number of sample containers	collected?	Yes		
Field La					
	e field sample labels filled out with the minimum information	ation:	V		
	Sample ID? Date/Time Collected?		Yes Yes		
	Collectors name?		Yes		
Sample	Preservation		100		
21. Does	s the COC or field labels indicate the samples were present	rved?	No		
22. Are	sample(s) correctly preserved?		NA		
24. Is la	b filteration required and/or requested for dissolved metal	ls?	No		
Multiph	ase Sample Matrix				
	s the sample have more than one phase, i.e., multiphase?		No		
27. If ye	s, does the COC specify which phase(s) is to be analyzed	!?	NA		
<u>Subcont</u>	tract Laboratory				
28. Are	samples required to get sent to a subcontract laboratory?		No		
	a subcontract laboratory specified by the client and if so	who?	NA S	ubcontract Lal	b: na
Client]	Instruction				

e

envirotech Inc.

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

Date

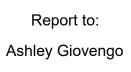
Chain of Custody

roject: roject N	Natador Pr Wool Hea Manager: . 3122 Nat	d Pad D Ashley G	ivoengo	ι <u>ν</u>	Attention: M Address: On City, State, Z	<u>Co</u>	Lab Wo	D#	A	230	umber		2D 3	TAT BD S	itandard X	CWA	SDWA RCRA		
Address: 3122 National Parks HWY City, State, Zip: Carlsbad, NM 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Report due by:					Phone: 337-319-8398 Email: clinton.talley@matadorresou .com			TPH GRO/DRO/ORO by	8021				MM		¥	NM CO	State UT AZ		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	The set		Lab Number	TPH GR	8015 BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC		GDOC		Remarks		
10:42	5/31/23	S	1	A costa	SS01C-0.5	5'	1						x		1			-	
8:42	5/31/23	S	1		SS02-0'		2						x				*		
8:45	5/31/23	S	1		SS03-0'		3						x						
8:47	5/31/23	S	1		SS04-0'		4						X						
10:15	5/31/23	S	1		SS05A-0	1	5						x						
10:10	5/31/23	S	1		SS06B-0.5	5'	6						x						
11:04	5/30/23	S	1		BH01-0'								x						
11:09	5/30/23	S	1		BH01-1'		8						x						
11:11	5/30/23	S	1		BH01-2'	and the second second	9				-		x						
11:17	5/30/23	S	1		BH02-0'		10						x						
ddition	al Instruc	tions: Pr	eserved	on ice; Please o	c agiovengo cbur	rton @ ensolum.cor	n and clinton	n.talley(emata	dorr	esoure	ces.com	on lab re	sults					
				nticity of this sample may be grounds for		ering with or intentionally n Sampled by:	nislabelling the sa	ample loca	tion,							ed on ice the day than 6 °C on sub:		led or	1
elinguishe	ed by: (Sign	ture) (ure)	Date Date Date	101/23 Time	00 Received t	by: (Signature) Ulle (U)S- by: (Signature) W M So	Date Gl-1-2 Date	23 11	1000	6	Receiv	ved on ic	and the second	b Use	Only	T3			
ANSA		150	Date	-1-23 Z	400 Carl	le Man	- 0/2/2	23 8	5:15			Temp °C_	4						
ote: Sam	ples are disc	arded 30 d	lays after r			ements are made. Haza this COC. The liability of		will be re	turned t	to clier	nt or dis	sposed of a	t the client	t expen	se. Th				
				, and the offer by	and additional of a militer	eeer the hounty of	the hot and y			noun	pulote		port.			/ir			

Released to Imaging: 10/3/2023 8:15:22 AM

Project li	nformatic	'n					Chain of C	Custoc	ly											Page _	Z_of_4			
Project: Project M Address:	lient: Matador Production Company Bill To roject: Wool Head Pad D Attention: Matador Production Co roject Manager: Ashley Givoengo Address: On File ddress: 3122 National Parks HWY City, State, Zip: ity, State, Zip: Carlsbad, NM 88220 Phone: 337-319-8398									tion: Matador Production Co ss: On File tate, Zip: Lab WO# Job Number 10 B3582-0001 Analysis and Method														
Phone: 5 Email: ag Report d	575-988-0 giovengo(lue by:	055			State of the second sec	il: clinton.talley@matadorrese			TPH GRO/DRO/ORO by 8015	BTEX by 8021	y 8260	Metals 6010	Chloride 300.0		DC NM	X			State	Z TX	ed by OCD: 7/13/2023 12:00:15 AM			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Numbe	r .	TPH G 8015	BTEX t	VOC by	Metals	Chloric		BGDOC	GDOC		i.	Remark	(S	00:1:			
7:27	5/31/23	S	1			BH03-0'	11								x			man	red ?	Sample	5 AM			
7:30	5/31/23	S	1			BH03-1'	12					4			x			name	0					
7:34	5/31/23	s	1			BH03-2	13								x					17-19				
7:45	5/31/23	s	1		(Shart)	BH04-0'	14								x			Der						
7:50	5/31/23	s	1			BH04-1'	15								x				slaz					
7:52	5/31/23	S	1		1	BH04-2'	14								x			Cri	Sjac	24				
8:00	5/31/23	S	1			BH05-1-01	17								x									
8:05	5/31/23	S	1			BH05-2- 14	18				-				x									
8:06	5/31/23	S	1			вно5-3-21	19								x				-					
8:15	5/31/23	S	1			BH06-0'	20								x									
Addition	al Instruc	tions: P	reserved	on ice; Pleas	e cc agiove	ngo cburton @ ensolum.com	and clinto	on.tall	ey@r	natad	dorre	esour	ces.c	om on	lab resu	lts								
daye or tiny	ofcollection	h is consider	ed fraud and	I may be grounds	for legal action	e that tampering with or intentionally mi Sampled by:	slabelling the	sample	location	n,								on ice the day n 6 "C on subs		Constant State				
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Mita	ed by: (Sigh	sup	- Le	123 1	600	Received by: (Signature)	Date 6-1	-23	Time 1	73	0	<u>T1</u>			<u>T2</u>			тз						
cine	ed by: (Sign	miso	Date	-1-23	the the	authe Man	. Colzi	23	Time	:15	Sec. 1			°c_ 4										
Note: Sam	ples are dis	carded 30	days after r		rted unless oth	ner arrangements are made. Hazard		s will b	e retur	ned to	clier	nt or di	isposed	d of at th	e client e			eport for t	he analys	is of the				
above sam	ipies is appi	icable only	to those sa	mples received	by the labora	tory with this COC. The liability of th	ie laboratory	is limi	ted to	the am	nount		3	the repor	e	n	V	ir	0	te	ch ^{of}			
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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:

Wool Head Pad D

Work Order: E306010

Job Number: 23052-0001

Received: 6/2/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/7/23

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: 6/7/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Wool Head Pad D Workorder: E306010 Date Received: 6/2/2023 8:15:00AM

Ashley Giovengo,



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Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/2/2023 8:15:00AM, under the Project Name: Wool Head Pad D.

The analytical test results summarized in this report with the Project Name: Wool Head Pad D 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

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 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

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

		Sample Sum	mar y		
Matador Production Company		Project Name:	Wool Head Pad D		Reported:
3122 National Parks HWY Carlsbad NM, 88220		Project Number: Project Manager:	23052-0001 Ashley Giovengo		06/07/23 16:30
Calisbau Ivivi, 86220		Tiojeet Manager.	Asincy Glovengo		00/07/25 10:50
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
3H06 - 1'	E306010-01A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
3H06 - 2'	E306010-02A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
3H06 - 3'	E306010-03A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
3H06 - 4'	E306010-04A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
3H06 - 5'	E306010-05A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
3H07 - 0'	E306010-06A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
BH07 - 1'	E306010-07A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
3H07 - 2'	E306010-08A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
3H07 - 3'	E306010-09A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
BH07 - 4'	E306010-10A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
BH07 - 5'	E306010-11A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
3H07 - 6'	E306010-12A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
BH07 - 7'	E306010-13A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
BH07 - 8'	E306010-14A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.
H07 - 9'	E306010-15A	Soil	05/31/23	06/02/23	Glass Jar, 4 oz.



		ampic D				
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 2305	l Head Pad D 52-0001 ley Giovengo			Reported: 6/7/2023 4:30:08PM
		BH06 - 1'				
		E306010-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322056
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Toluene	ND	0.0250	1	06/02/23	06/03/23	
-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322056
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2322054
Diesel Range Organics (C10-C28)	78.0	25.0	1	06/02/23	06/06/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/06/23	
Surrogate: n-Nonane		115 %	50-200	06/02/23	06/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2323006
Chloride	2530	20.0	1	06/05/23	06/05/23	



	5	ample D	ala			
Matador Production Company	Project Name:		ol Head Pad D			
3122 National Parks HWY	Project Numb		52-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			6/7/2023 4:30:08PM
		BH06 - 2'				
		E306010-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2322056
Benzene	ND	0.0250	1	06/02/23	06/02/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/02/23	
Toluene	ND	0.0250	1	06/02/23	06/02/23	
p-Xylene	ND	0.0250	1	06/02/23	06/02/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/02/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/02/23	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2322056
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	06/02/23	06/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Batch: 2322054		
Diesel Range Organics (C10-C28)	43.3	25.0	1	06/02/23	06/06/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/06/23	
Surrogate: n-Nonane		109 %	50-200	06/02/23	06/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2323006
Chloride	4820	40.0	2	06/05/23	06/05/23	



	56	ample D	ala			
Matador Production Company 3122 National Parks HWY	Project Name: Project Numbe		ol Head Pad D 52-0001			Reported:
Carlsbad NM, 88220	Project Manag	er: Ash	ley Giovengo			6/7/2023 4:30:08PM
		BH06 - 3'				
	-	E306010-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2322056
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Toluene	ND	0.0250	1	06/02/23	06/03/23	
o-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Total Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		98.8 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2322056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Batch: 2322054		
Diesel Range Organics (C10-C28)	49.7	25.0	1	06/02/23	06/06/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/06/23	
Surrogate: n-Nonane		117 %	50-200	06/02/23	06/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2323006
Chloride						



	5	ampie D	ala			
Matador Production Company	Project Name:	Woo	l Head Pad D			
3122 National Parks HWY	Project Numb	er: 2303	52-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			6/7/2023 4:30:08PM
		BH06 - 4'				
		E306010-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2322056
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Toluene	ND	0.0250	1	06/02/23	06/03/23	
o-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Total Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2322056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-F1D		91.0 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Batch: 2322054		
Diesel Range Organics (C10-C28)	74.1	25.0	1	06/02/23	06/06/23	
Dil Range Organics (C28-C36)	52.9	50.0	1	06/02/23	06/06/23	
Surrogate: n-Nonane		114 %	50-200	06/02/23	06/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2323006
Chloride	862					



	Di	ample D	ala				
Matador Production Company 3122 National Parks HWY	Project Name: Project Numbe		ol Head Pad 52-0001	D			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Gioveng	go			6/7/2023 4:30:08PM
		BH06 - 5'					
		E306010-05					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: S	L		Batch: 2322056
Benzene	ND	0.0250	1		06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1		06/02/23	06/03/23	
Toluene	ND	0.0250	1		06/02/23	06/03/23	
o-Xylene	ND	0.0250	1		06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1		06/02/23	06/03/23	
Total Xylenes	ND	0.0250	1		06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130		06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL				Batch: 2322056
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.6 %	70-130		06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: K	M		Batch: 2322054
Diesel Range Organics (C10-C28)	409	25.0	1		06/02/23	06/06/23	
Dil Range Organics (C28-C36)	197	50.0	1		06/02/23	06/06/23	
Surrogate: n-Nonane		120 %	50-200		06/02/23	06/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: B	A		Batch: 2323006
Chloride	999	20.0	1		06/05/23	06/05/23	



	impic D				
Project Name: Project Numbe					Reported:
Project Manage	er: Ash	ey Giovengo			6/7/2023 4:30:08PM
	BH07 - 0'				
]	E306010-06				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: SL		Batch: 2322056
ND	0.0250	1	06/02/23	06/03/23	
0.113	0.0250	1	06/02/23	06/03/23	
0.0393	0.0250	1	06/02/23	06/03/23	
0.403	0.0250	1	06/02/23	06/03/23	
0.775	0.0500	1	06/02/23	06/03/23	
1.18	0.0250	1	06/02/23	06/03/23	
	110 %	70-130	06/02/23	06/03/23	
mg/kg	mg/kg	Analyst: SL		Batch: 2322056	
28.8	20.0	1	06/02/23	06/03/23	
	93.3 %	70-130	06/02/23	06/03/23	
mg/kg	mg/kg	Analy	Batch: 2322054		
3450	25.0	1	06/02/23	06/06/23	
1280	50.0	1	06/02/23	06/06/23	
	121 %	50-200	06/02/23	06/06/23	
mg/kg	mg/kg	Analy	st: BA		Batch: 2323006
4680	40.0		0.610.512.0	06/05/23	
	Project Name: Project Numbe Project Manage Result mg/kg ND 0.113 0.0393 0.403 0.775 1.18 mg/kg 28.8 mg/kg 3450 1280	Project Name: Woo Project Number: 2302 Project Nanager: Ashl BH07 - 0' E306010-06 E306010-06 Iimit mg/kg mg/kg ND 0.0250 0.113 0.0250 0.403 0.0250 0.403 0.0250 0.775 0.0500 1.18 0.0250 0.775 0.0500 1.18 0.0250 93.3 % g/kg mg/kg mg/kg 1280 25.0 1280 50.0	Project Number: 23052-0001 Ashley Giovengo BH07 - 0' E306010-06 E306010-06 Result Limit Mg/kg mg/kg Mg/kg mg/kg M0 0.0250 0.0113 0.0250 0.0393 0.0250 0.0393 0.0250 0.403 0.0250 0.403 0.0250 1.18 0.0250 110 % 70-130 mg/kg mg/kg Analy mg/kg mg/kg Analy 110 % 70-130 1 1280 25.0 1 1280 50.0 1 121 % 50-200 1	Image: Project Name: 23052-0001 Project Number: 23052-0001 Project Manager: Ashley Giovengo BH07 - 0' E306010-06 E306010-06 Result Dilution Prepared Result Limit Dilution Prepared MD 0.0250 1 06/02/23 0.113 0.0250 1 06/02/23 0.0393 0.0250 1 06/02/23 0.0393 0.0250 1 06/02/23 0.0393 0.0250 1 06/02/23 0.403 0.0250 1 06/02/23 0.403 0.0250 1 06/02/23 0.775 0.0500 1 06/02/23 0.775 0.0500 1 06/02/23 110 % 70-130 06/02/23 mg/kg mg/kg Analyst: SL 3450 25.0 1 06/02/23 121 % 50-200 06/02/23 mg/kg mg/kg Malyst: SL	Project Name: Wool Head Pad D Project Number: 23052-0001 Project Manager: Ashley Giovengo BH07 - 0' E306010-06 E306010-06 Project Manager: Ashley Giovengo Result Limit Dilution Prepared Analyzed MD 0.0250 1 06/02/23 06/03/23 0.113 0.0250 1 06/02/23 06/03/23 0.13 0.0250 1 06/02/23 06/03/23 0.403 0.0250 1 06/02/23 06/03/23 0.403 0.0250 1 06/02/23 06/03/23 0.403 0.0250 1 06/02/23 06/03/23 0.403 0.0250 1 06/02/23 06/03/23 0.403 0.0250 1 06/02/23 06/03/23 0.403 0.0250 1 06/02/23 06/03/23 110 % 70-130 06/02/23 06/03/23 gas.8 20.0 1 06/02/23 06/0



	56	ample D	ata			
Matador Production Company	Project Name:	Woo	l Head Pad I	D		
3122 National Parks HWY	Project Numbe		52-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo	0		6/7/2023 4:30:08PM
		BH07 - 1'				
		E306010-07				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	А	nalyst: SL		Batch: 2322056
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Toluene	ND	0.0250	1	06/02/23	06/03/23	
o-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Total Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2322056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	nalyst: KM		Batch: 2322054
Diesel Range Organics (C10-C28)	31.8	25.0	1	06/02/23	06/07/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/07/23	
Surrogate: n-Nonane		115 %	50-200	06/02/23	06/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: BA		Batch: 2323006
Chloride	1700	20.0	1	06/05/23	06/05/23	



	50	ample D	ala			
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230	ol Head Pad D 52-0001 ley Giovengo			Reported: 6/7/2023 4:30:08PM
		BH07 - 2'				
		E306010-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2322056
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Toluene	ND	0.0250	1	06/02/23	06/03/23	
o-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Total Xylenes	ND	0.0250	1	06/02/23	06/03/23	
urrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2322056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Batch: 2322054		
Diesel Range Organics (C10-C28)	51.1	25.0	1	06/02/23	06/06/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/06/23	
Gurrogate: n-Nonane		116 %	50-200	06/02/23	06/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2323006
Chloride	1150	20.0	1	06/05/23	06/05/23	



	50	imple D	ala			
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	r: 230	l Head Pad D 52-0001 ley Giovengo			Reported: 6/7/2023 4:30:08PM
	, 0	BH07 - 3'				
		E306010-09				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2322056
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
oluene	ND	0.0250	1	06/02/23	06/03/23	
-Xylene	ND	0.0250	1	06/02/23	06/03/23	
,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Total Xylenes	ND	0.0250	1	06/02/23	06/03/23	
urrogate: 4-Bromochlorobenzene-PID		100 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2322056	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2322054
Diesel Range Organics (C10-C28)	86.7	25.0	1	06/02/23	06/06/23	
Dil Range Organics (C28-C36)	55.8	50.0	1	06/02/23	06/06/23	
'urrogate: n-Nonane		121 %	50-200	06/02/23	06/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2323006



Pad D l vengo			D (1
			B (1
ovengo			Reported:
			6/7/2023 4:30:08PM
Dilution	Prepared	Analyzed	Notes
Analyst:	SL		Batch: 2322056
1	06/02/23	06/03/23	
1	06/02/23	06/03/23	
1	06/02/23	06/03/23	
1	06/02/23	06/03/23	
1	06/02/23	06/03/23	
1	06/02/23	06/03/23	
80	06/02/23	06/03/23	
Analyst:	SL		Batch: 2322056
1	06/02/23	06/03/23	
80	06/02/23	06/03/23	
Analyst:	KM		Batch: 2322054
1	06/02/23	06/07/23	
1	06/02/23	06/07/23	
00	06/02/23	06/07/23	
Analyst:	BA		Batch: 2323006
1	06/05/23	06/05/23	
	Analyst: 1 1 1 1 1 1 1 1 20 Analyst: 1 20 Analyst: 1 1 00 Analyst: 1 1 1 20 Analyst: 1 1 20 Analyst:	Analyst: SL 1 06/02/23 1 06/02/23 1 06/02/23 1 06/02/23 1 06/02/23 1 06/02/23 1 06/02/23 1 06/02/23 60 06/02/23 Analyst: SL 1 1 06/02/23 Analyst: KM 1 1 06/02/23 1 06/02/23 00 06/02/23 1 06/02/23 Analyst: KM 1 06/02/23 1 06/02/23 00 06/02/23 1 06/02/23 1 06/02/23 1 06/02/23 1 06/02/23 1 06/02/23 1 06/02/23 1 06/02/23 1 06/02/23 1 06/02/23 1 06/02/23	Analyst: SL 1 06/02/23 06/03/23 1 06/02/23 06/03/23 1 06/02/23 06/03/23 1 06/02/23 06/03/23 1 06/02/23 06/03/23 1 06/02/23 06/03/23 1 06/02/23 06/03/23 1 06/02/23 06/03/23 20 06/02/23 06/03/23 30 06/02/23 06/03/23 30 06/02/23 06/03/23 1 06/02/23 06/03/23 30 06/02/23 06/03/23 1 06/02/23 06/03/23 20 06/02/23 06/07/23 1 06/02/23 06/07/23 00 06/02/23 06/07/23 00 06/02/23 06/07/23 00 06/02/23 06/07/23 00 06/02/23 06/07/23

		ample D	aca			
Matador Production Company	Project Name:	Woo	l Head Pad D			
3122 National Parks HWY	Project Numb	er: 230	52-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			6/7/2023 4:30:08PM
		BH07 - 5'				
		E306010-11				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2322056
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Toluene	ND	0.0250	1	06/02/23	06/03/23	
o-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2322056
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2322054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/07/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/07/23	
Surrogate: n-Nonane		119 %	50-200	06/02/23	06/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2323006
Chloride	1080	20.0	1	06/05/23	06/05/23	



	56	ample D	ala			
Matador Production Company	Project Name:	Woo	l Head Pad D			
3122 National Parks HWY	Project Numbe	er: 230	52-0001			Reported:
Carlsbad NM, 88220	Project Manag	er: Ash	ley Giovengo			6/7/2023 4:30:08PM
		BH07 - 6'				
	-	E306010-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322056
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Toluene	ND	0.0250	1	06/02/23	06/03/23	
o-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322056
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2322054
Diesel Range Organics (C10-C28)	1270	25.0	1	06/02/23	06/07/23	
Dil Range Organics (C28-C36)	498	50.0	1	06/02/23	06/07/23	
Surrogate: n-Nonane		119 %	50-200	06/02/23	06/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2323006
Chloride	992	20.0	1	06/05/23	06/05/23	



		ample D	ata			
Matador Production Company	Project Name:	Woo	l Head Pad D			
3122 National Parks HWY	Project Number	er: 2303	52-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ey Giovengo			6/7/2023 4:30:08PM
		BH07 - 7'				
		E306010-13				
		Reporting				
Analyte	Result	Limit	Dilutior	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2322056
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Foluene	ND	0.0250	1	06/02/23	06/03/23	
p-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		99.9 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2322056
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2322054
Diesel Range Organics (C10-C28)	69.8	25.0	1	06/02/23	06/07/23	
Dil Range Organics (C28-C36)	66.4	50.0	1	06/02/23	06/07/23	
Surrogate: n-Nonane		116 %	50-200	06/02/23	06/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2323006
Chloride	671	20.0	1	06/05/23	06/05/23	



	6	ample D	ala			
Matador Production Company	Project Name	: Woo	ol Head Pad D			
3122 National Parks HWY	Project Numb	er: 230	52-0001			Reported:
Carlsbad NM, 88220	Project Mana	ger: Ash	ley Giovengo			6/7/2023 4:30:08PM
		BH07 - 8'				
		E306010-14				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2322056
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Toluene	ND	0.0250	1	06/02/23	06/03/23	
p-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2322056
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.6 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2322054
Diesel Range Organics (C10-C28)	148	25.0	1	06/02/23	06/07/23	
Dil Range Organics (C28-C36)	87.1	50.0	1	06/02/23	06/07/23	
Surrogate: n-Nonane		116 %	50-200	06/02/23	06/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2323006
Chloride	778	20.0	1	06/05/23	06/05/23	



	0	ample D	ala			
Matador Production Company	Project Name		ol Head Pad D			
3122 National Parks HWY	Project Numb		52-0001			Reported:
Carlsbad NM, 88220	Project Mana	ger: Ash	ley Giovengo			6/7/2023 4:30:08PM
		BH07 - 9'				
		E306010-15				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2322056
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Toluene	ND	0.0250	1	06/02/23	06/03/23	
p-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Total Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2322056
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2322054
Diesel Range Organics (C10-C28)	79.9	25.0	1	06/02/23	06/07/23	
Dil Range Organics (C28-C36)	52.7	50.0	1	06/02/23	06/07/23	
urrogate: n-Nonane		116 %	50-200	06/02/23	06/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2323006
Chloride	378	20.0	1	06/05/23	06/05/23	



QC Summary Data

		QU D	u	ing Dut					
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	23	/ool Head Pad 3052-0001 shley Gioveną					Reported: 6/7/2023 4:30:08PM
		Volatile O	rganics l	by EPA 802	21B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2322056-BLK1)							Prepared: 0	6/02/23 A	Analyzed: 06/02/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.7	70-130			
LCS (2322056-BS1)							Prepared: 0	6/02/23 A	Analyzed: 06/02/23
Benzene	4.29	0.0250	5.00		85.8	70-130			
Ethylbenzene	4.20	0.0250	5.00		84.1	70-130			
Toluene	4.41	0.0250	5.00		88.2	70-130			
o-Xylene	4.39	0.0250	5.00		87.8	70-130			
p,m-Xylene	8.69	0.0500	10.0		86.9	70-130			
Total Xylenes	13.1	0.0250	15.0		87.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	70-130			
Matrix Spike (2322056-MS1)				Source:	E306010-	02	Prepared: 0	6/02/23 A	Analyzed: 06/02/23
Benzene	4.84	0.0250	5.00	ND	96.8	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.5	61-133			
Toluene	4.97	0.0250	5.00	ND	99.4	61-130			
o-Xylene	4.95	0.0250	5.00	ND	99.1	63-131			
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			
Matrix Spike Dup (2322056-MSD1)				Source:	E306010-	02	Prepared: 0	6/02/23 A	Analyzed: 06/03/23
Benzene	4.80	0.0250	5.00	ND	96.0	54-133	0.814	20	
Ethylbenzene	4.68	0.0250	5.00	ND	93.6	61-133	0.902	20	
Toluene	4.93	0.0250	5.00	ND	98.6	61-130	0.814	20	
			5.00	ND	98.7	63-131	0.409	20	
p-Xylene	4.93	0.0250	5.00	THD .	20.7				
p-Xylene p,m-Xylene	4.93 9.65	0.0250	10.0	ND	96.5	63-131	0.816	20	
-									



QC Summary Data

		QU D	umm	aly Data					
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	Vool Head Pad I 3052-0001 Ashley Giovengo	-				Reported: 6/7/2023 4:30:08PM
	No	nhalogenated C	Organics	by EPA 801	5D - GI	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2322056-BLK1)							Prepared: 0	6/02/23	Analyzed: 06/02/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			
LCS (2322056-BS2)							Prepared: 0	6/02/23	Analyzed: 06/02/23
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			
Matrix Spike (2322056-MS2)				Source: F	2306010-	02	Prepared: 0	6/02/23	Analyzed: 06/03/23
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.2	70-130			
Matrix Spike Dup (2322056-MSD2)				Source: F	2306010-	02	Prepared: 0	6/02/23	Analyzed: 06/03/23
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.4	70-130	6.82	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.3	70-130			

QC Summary Data

		VC D	umm	aly Data					
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	Wool Head Pad E 23052-0001 Ashley Giovengo					Reported: 6/7/2023 4:30:08PM
	Nonh	alogenated Org	anics by	v EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2322054-BLK1)							Prepared: 0	6/02/23 A	analyzed: 06/06/23
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	59.0		50.0		118	50-200			
LCS (2322054-BS1)							Prepared: 0	6/02/23 A	analyzed: 06/06/23
Diesel Range Organics (C10-C28)	307	25.0	250		123	38-132			
Surrogate: n-Nonane	59.8		50.0		120	50-200			
Matrix Spike (2322054-MS1)				Source: E	306010-	10	Prepared: 0	6/02/23 A	analyzed: 06/06/23
Diesel Range Organics (C10-C28)	358	25.0	250	43.4	126	38-132			
Surrogate: n-Nonane	60.1		50.0		120	50-200			
Matrix Spike Dup (2322054-MSD1)				Source: E	306010-	10	Prepared: 0	6/02/23 A	analyzed: 06/06/23
Diesel Range Organics (C10-C28)	342	25.0	250	43.4	120	38-132	4.39	20	
Surrogate: n-Nonane	55.1		50.0		110	50-200			



QC Summary Data

		X ² ²	ummin		•					
Matador Production Company 3122 National Parks HWY		Project Name: Project Number:		Wool Head Pad 23052-0001	D				Rep	orted:
Carlsbad NM, 88220		Project Manager	: A	Ashley Gioveng	0				6/7/2023	4:30:08PM
		Anions	by EPA	300.0/9056A	L L				Analyst	: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	1	Notes
Blank (2323006-BLK1)							Prepared: 0	6/05/23	Analyzed: 0	6/05/23
Chloride	ND	20.0								
LCS (2323006-BS1)							Prepared: 0	6/05/23	Analyzed: 0	6/05/23
Chloride	247	20.0	250		98.9	90-110				
Matrix Spike (2323006-MS1)				Source:	E306010-()1	Prepared: 0	6/05/23	Analyzed: 0	6/05/23
Chloride	2650	20.0	250	2530	49.9	80-120				M2
Matrix Spike Dup (2323006-MSD1)				Source:	E306010-()1	Prepared: 0	6/05/23	Analyzed: 0	6/05/23
Chloride	2750	20.0	250	2530	89.8	80-120	3.70	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.



	Demition		
Matador Production Company	Project Name:	Wool Head Pad D	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/07/23 16:30

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.



ent: M	Matador Pr	roductior	n Compar	וע	Bill	То	-	11 A.	Lab U	se Or	nly				TAT		EPA Pr	ogram
	Wool Hea				Attention: Matador Pro	oduction Co	Lab WO	D#	010	Job	Num	ber	1D	2D	3D	Standard	CWA	SDWA
	Manager: . : 3122 Nat			_	Address: On File		E30	G	010			20001				X		DCDA
	ite, Zip: Ca			-	<u>City, State, Zip:</u> Phone: 337-319-8398		2	T	-	Analy	ysis an	d Metho				- Constanting		RCRA
	575-988-0		WI OULLU		Email: clinton.talley@r	natadorresources	ROb									-	State	
	giovengo@		n.com		.com	nacadori eso arees	30/0	-		-	0.0		WN			NM CO	UTAZ	TX
eport	due by:						10/0	1008	8260	6010	e 300.0		1 1		X	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by	8015 BTEY hu	VOC by	Metals 6010	Chloride		BGDOC		GDOC		Remarks	
8:18	5/31/23	S	1		BH06-1'	1							x					
8:20	5/31/23	S	1		BH06-2'	2							х					
11:05	5/31/23	S	1		BH06-3'	3							x					
13:35	5/31/23	S	1		BH06-4'	4							x					
13:42	5/31/23	S	1		BH06-5'	5							x					
8:30	5/31/23	S	1		BH07-0'	6							x					
8:31	5/31/23	S	1		BH07-1'	7							x					
8:32	5/31/23	S	1		BH07-2'	8							x					
10:57	5/31/23	S	1		BH07-3'	9							x					
11:00	5/31/23	S	1		BH07-4'	10							x					
dditio	nal Instruc	tions: Pr	eserved	on ice; Please of	cc agiovengo cburton @ en	solum.com and clintor	n.talley@	oma	tador	resou	irces.	com on	lab re	sults				
(field san	npler), attest t	o the validit	y and auther	nticity of this sample	. I am aware that tampering with or i	ntentionally mislabelling the s	ample locat	tion,		Sampl	es requir	ing thermal	preservati	on mus	t be rece	ived on ice the day	they are sample	ed or
ate of tim	of collection	n is consider	ed fraud and	I may be grounds for	r legal action. Sampled by:					receiv	ed packe	d in ice at ar	n avg temp	above	0 but les	s than 6 °C on subs	equent days.	
elinquis	red by sigh	ature)	Date		DD Millie			00	2				La	bUse	e Only	1		
elinquis	ed by: (Sign	aturdel	Date	01/65 10 Time	Received by: (Signatur	e) Date	L7 Tim	e	0	Rec	eived	on ice:	(Y)N				
	aill	Gyt	26			neso G-1-	131	73	0	T1			T2			T3		
elinquist	ned by: (Signa	ature)	Date	Time	Received by (Signatur		/ Tim	ie	-				1					
iAnd	Rew W	nesso	6.	-1-23 U	to lath 7,	1000 (0/2/	23 8	3.1:	5	AVO	Tem	p°c_4	-					
ample Ma				Aqueous, O - Other	d unless other arrangements are r	Containe				poly/p	plastic,	ag - am	ber gla		VOA			5

Reproject Information

Chain of Custody

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	Wool Hea	and the second se			Attention: Matador Producti	on Co	Lab V	NO#				umbe		1D	2D	3D	Star	dard	CWA	SDWA
	Manager:				Address: On File		ES	do	OIC		230	52-1	α					Х		
and the second se	: 3122 Nat		State of the state		City, State, Zip:					F	Analys	is and	Metho	d			3			RCRA
	te, Zip: Ca	SIA STORES	M 88220		Phone: 337-319-8398			hd (-	16.2012		
	575-988-0	Concernance of the second			Email: clinton.talley@matade	orresources	100	ORC			-								State	
	giovengo@	Pensolun	n.com		.com		00	RO	51	0	0	0.0		WN	-	XT	N	M CO	UT AZ	TX
Report c	lue by:					The second second second second	40	0/0	/ 80	826	601(e 30						×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	au nut	1PH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
13:45	5/31/23	S	1		BH07-5'	11								X						
13:48	5/31/23	S	1		BH07-6'	12							+	x						
14:30	5/31/23	S	1		BH07-7'	13								x						
14:31	5/31/23	S	1		BH07-8'	14								x						
14:35	5/31/23	S	1		BH07-9'	15								x					-	-
dditior	nal Instruc	tions: Pr	eserved	on ice; Please	e cc agiovengo cburton @ ensolum	.com and clinto	n.talle	y@n	natad	lorre	esour	ces.co	m on	lab re	esult	s		1		1
te or tim	of collection	is consider		nticity of this samp d may be grounds		nally mislabelling the s	ample lo	cation				and the second second						and the second second	hey are samp quent days.	led or
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elinquish	hed by: (Sign	ature) /	G.	-1-23 2	Received by (Signature)	~ 6/2/2	3	Time 8'	15	-	AVG	Temp	°c_4	+						
				Aqueous, O - Othe	er	Containe														
					ted unless other arrangements are made. by the laboratory with this COC. The liabilit										nt expe	ense.	The rep	port for th	ne analysis	of the

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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

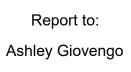
mail: giovngségensolum.com Due Due: 060923 17:00 (4 day TAT) This of Custody (COC) Does the sample ID match the COC? Yes Were samples of amples per sampling site location match the COC Yes Were also supples of the yelicat or artire? Yes Was the COC complete, i.e., signatures, datasytimes, requested analyses? Yes Was the COC complete, i.e., signatures, datasytimes, requested analyses? Yes Was also pell which should be conducted in the field, i.e. 15 minuse hold in; and was no lichted at in this discussion. amble Cooler Was a sample cooler received with the discussion. Was a sample cooler received? Yes Was the sample(s) received? Inter, i.e., ont broken? Yes Was the sample(s) received inter, i.e., ont broken? Yes Was the sample(s) received inter, i.e., ont broken? Yes Was the sample cooler received into a soft part of its of the sample sample soft inter of the sample soft inter of	agiorage@asselum.com Due Dati: 0608/2317:001 (4 day TAT) Castedy (COC) Yes the number of samples per sampling site location match the COC Yes angles dropped of Dry client or carrier? Yes I samples for coped of Dry client or carrier? Yes I samples received viltin holding time? Yes Not: Analysis, such as pH which should be conducted in the field, is. 15 minute boding time, are not included in this discussion. Project Wool Head Pad D has been Scalar. Samples colored time, are not included in this discussion. Project Wool Head Pad D has been scalar. Sample color received? Yes sample color received? Yes Sample color received? ware costoly facceiving gaod intact? Yes Sample color received? ware costoly facceiving assis intact? No Sample color received? Yes 'antituiter genus VOC samples collected in VO Vals? No Sample color received? Yes 'antitiuter Yes Yes Sample collected in VOC analyses? Na Sample collected in VOC samples collected? Yes 'antitiuter Yes Yes Yes Yes Yes Yes Yes <	lient:	Matador Production Company Da	te Received:	06/02/23 08	3:15	Work Order ID: E306010
Email: agiorngo@genuolum.com Due Date: 0608/23 17:00 (4 day TAT) Chain of Castedv (COC) . <	agiorago de construit.com Due Dare 0608/23 17.00 (4 day TAT) Constant (COC) Yes the sample DD match the COC? Yes amples dropped off by client or carrier? Yes to complete, i.e., signaturus, dates/times, requested analyses? Yes to complete diverse diver	Phone:	(575) 988-0055 Da	te Logged In:	06/02/23 08	3:53	Logged In By: Caitlin Mars
1. Joas the sample ID match the COC? Yes 2. Joes the number of samples per sampling site location match the COC Yes 2. Were samples dropped of By client or carrier? Yes 4. Was the COC complete, i.e., signatures, dutes/times, requested analyses? Yes 5. Were analysis, and a per which should be conduced in the field, i.e., 15 minute hold ing time? Yes 5. Did the COC indicate standard TAT, or Expedited TAT? Yes 7. Was a sample cooler received? Yes 8. If yes, was cooler received in good condition? Yes 9. Was the sample/for cervice dinate, i.e., not broken? Yes 10. Were custody/security seals intact? No 11. If yes, were custody/security seals intact? No 12. Was the sample for cerviced in size of received in size of reseived in size of received in size of reseived in size of received in size of received in size of received in size of received in size of reseived in size of received in size of received in size of received in size	he sample JD match the COC? Yes the number of samples presently is to carrier? Yes to Carrier: Courrier Courrie	Email:	agiovngo@ensolum.com Du	e Date:	06/08/23 17	7:00 (4 day TAT)	
 2. Does the number of samples per sampling site location match the COC Yes 3. Were samples dropped of by client or carrier? Yes 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes 5. Were all samples received within holding time? 5. Did the COC indicate standard TAT, or Expedited TAT? Yes 5. Sample Conter creative? 9. Was the sample cooler received? 9. Was the sample received on ice? if yes, the records tamp is 4°C, i.e., 6°±2°C 9. Now the sample received on ice? if yes, the cooled tamp is 4°C, i.e., 6°±2°C 9. Now the sample cooler on ice? if yes, the records tamp is 4°C, i.e., 6°±2°C 9. Now the sample cooled the temperature. Actual sample temperature: 4°C 5. Sample Conter 13. If no visible ice, record the temperature. Actual sample temperature: 4°C 9. Was the plank (TB) included for VOC analyses? 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 17. Was a trip blank (TB) included for VOC analyses? 19. Is the appropriate volume/weight or number of sample containers collected? Yes 5. Conter Control and increase to a subcontract liberator? Yes 10. Over the Coll fold bind indicate the samples were preserved? No 20. Are sample habets filled out with the minimum information: Sample Terescriation 21. Does the Coor field labels indicate the samples were preserved? No 22. Are sample haves more than one phase, i.e., multiphase? No 23. Are sample haves more than one phase, i.e., multiphase? No 24. The sample sequind to get sent to a subcontract laborator? 	he number of samples per sampling site location match the COC yes amples droped off by client or carrier? Yes COC complete, i.e., signatures, datastimes, requested analyses? Yes If amples received within holding time? Yes Nose: Analysis, who spl f which should be conducted in the field. i.e. 15 minute hold time, are not included in this discession. If mark around Time (TAT) COC indicate standard TAT, or Expedited TAT? Yes sample coller received? Yes asample coller received? Yes was cooler received? Yes e sample(s) received in tact, i.e., not broken? Yes suited yies exprised intact, i.e., not broken? Yes suited yies exprised intact, i.e., not broken? Yes was cooler received in get if type, the recorded temp is 4°C, i.e., 6*2°C Yes Note: The angle year exprised in the time is 4°C, i.e., 6*2°C Yes Note: The angle year exprised in the time is 4°C, i.e., 6*2°C Yes was collected in VOA Vials? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-9 mm (pea sized or less)? NA head space less than 6-8 mm (pea sized or less)? NA head space less than 6-9 mm (pea sized or less)? NA	Chain o	f Custody (COC)				
3. Were samples dropped off by client or carrier? Yes 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes b. Were all samples received within holding time? Yes Note: Analysis, such as pH which abould be conduced in the field, i.e., its imute hold ines, are not included in this discussion. Yes Sample Cooler Yes Out the COC indicate standard TAT, or Expedited TAT? Yes Simple Cooler Yes Nas a sample cooler received in good condition? Yes 9. Was the sample(s) received intact, i.e., not broken? Yes 10. Were custody/security scals present? No 11. If yes, were custody/security scals intact? No 12. Was the sample received of iso? If yes, the recorded temp is 4°C, i.e., 6*2°C Yes Note: Thermal preservation is not required, if samples are recived with 15 minutes of sample apper security scals present? No 13. If no visible ice, record the temperature: 4°C Sample Conthier Yes Sample Locard Yes Na 14. Are aqueous VOC samples collected in the correct containers? Yes Na 15. Are toy can ple sollected in Aron Yes Yes Na 16. Is the back paspone less than 6 filed out with the minimum information:	amples dropped off by client or earrier? Yes Carrier: Courier c COC complete, i.e., signatures, dates/intes, requested analyses? Yes Net: Analysis, such as pH which should be conducted in the field, Yes i.e., 15 minute hold inte, are not included in inti situession. Project Wool Head Pad D has been Scolar separated into 2 reports due to high sample some cooler received in good condition? Yes was cooler received in torcken? Yes was cooler received in the field, it is maples are received will 15 Secondation was cooler received in torcken? Yes was cooler received in torce or conduct of sample containers of the temperature: <u>4*C</u> Yes outsoud/security seals intact? No Yes Yes contande Secondation	1. Does 1	the sample ID match the COC?		Yes		
 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes Not: Availables in the field time, are not included in the field time, is 15 minute hold time, are not included in this disussion. 5. Wore and Standard TAT, or Expedited TAT? Yes 5. More Could Could TIM1 6. Did the COC indicate standard TAT, or Expedited TAT? Yes 8. If yes, was cooler received? Yes 8. If yes, was cooler received? Yes 9. Was the sample (s) received in good condition? Yes 9. Was the sample (s) received intact, i.e., not broken? Yes 9. Was the sample (s) received in temperature? Yes 10. Were custody/security seals intact? NA 11. If yes, were custody/security seals intact? NA 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes Not: Themal presenvision is not required, if samples are received wil 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples collected in the orient containers? Yes 19. Is the head space less than 6-8 mm (pea sized or less)? NA 10. Stare VOC samples collected in the orient containers? Yes 19. Is the appropriate volume/weight or number of sample containers collecte? Yes Dute: Time Collected? Yes Collectors name? Yes 20. Were field sample labels filled out with the minimum information: Sample ID? Types, the context containers? Yes 10. Does the COC or field labels indicate the samples were preserved? No 21. Are sample (s) correctly preserved? No 22. Are sample labels filled out with the minimum information: Sample ID? Types, does the COC specify which phase(s) is to be analyzed? No 23. Are sample required und or equested for dissolved metals? No 24. Are samples required und passe, is, multiphase? No 24. Are samples required und as subcontract laboratory? N	e COC complete, i.e., signatures, datestimes, requested analyses? Yes II samples received within holding time? Yes Note: Analysis ach spif witch should be conducted in the field, i.e. 15 minute hold time, are not included in this discussion. Intern Actual Tarr, or Expedited TAT? Yes sample colorer received? Yes was cooler received? Yes was cooler received in good condition? Yes sample colorer received in good condition? Yes seample (s) received intact, i.e., not broken? Yes was cooler received in sort coquired, if samples are received with 15 minute sof sample colored in tor coquired, if samples were preserved? Yes wisible ice, record the temperature. Actual sample temperature: $\frac{4^{\circ}C}{2^{\circ}}$ Mad space less than 6-8 mm (pea sized or less)? NA No or-VOC samples collected in the correct containers? Yes hud? Time Collected? No on-VOC samples collected? Yes hud? Time Collected? No on-VOC samples collected? Yes hud? Time Collected? No on-VOC samples collected? Yes hud? Time Collected? No on spectration the COC or field labels indicate the samples were preserved? No ample(s) correctly preserved? No ample(s) correctly reserved? No ample(s) correcting required for Star) the containers? Yes hud? Time Collected? No amples collected? No amples collected? No ample(s) correctly preserved? No ample(s) correctly preserved? No ample(s) correctly reserved? No ample(s) correctly which phase(s) is to be analyzed? No subcontract Labor nore phase, i.e., multiphase? No subcontract Labor nore phase, i.e., multiphase? No subcontract laboratory specified by the client and if so who? No subcontract Labor nore specified by the client and if so who? No subcontract Labor nore phase, i.e., multiphase? No subcontract Labor nore phase, i.	2. Does t	the number of samples per sampling site location match t	he COC	Yes		
 5. Were all samples received within holding time? Yes Note: Analysis, such as pH which should be conducted in the field. i.e. if simule hold time, are not included in this discussion. Samule Contra created in are not included in this discussion. Samule Contra are not included in this discussion. Samule Contract as a sample cooler received in good condition? Yes 9. Was the sample (soler received in good condition? Yes 9. Was the sample (soler received in good condition? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals present? No 12. Was the sample covered in every first, the recorded temp is 4°C, i.e., 6'+2°C Yes Note: Thermal preservation is not required, if samples are received wills minutes of samples are received wills 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Samule Container 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in VOA Vials? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 18. Are none-VOC samples collected of the corract containers? Yes 19. Loss the coor field sample labels filled out with the minimum information: Sample ID? Yes 20. Were field sample labels filled out with the minimum information: Sample ID? Yes 20. Were field sample labels filled out with the minimum information: Sample ID? Yes 20. Were field sample labels indicate the samples were preserved? No 21. Are sample(s) correcity preserved? No 22. Are sample(s) correcity preserved? No 23. Are sample Matrix 24. Does the COC or field labels indicate the samples were preserved? No 24. Are sample to be sized for dissolved metals? No 25. Are sample required to get sent to a subcontract laboratory? No 	II anaples received within holding time? Yes Note: Analysis, auch as pH which should be conducted in the field, is. 15 minute hold time, are not included in this discussion. IVENATURE (TAT) COC indicates standard TAT, or Expedited TAT? Yes Solar sample cooler received in good condition? Yes as cooler received in good condition? Yes as ample(s) received intact, i.e., not broken? Yes custody/security seals intact? No se ample (sc) received intext, i.e., not broken? Yes as ample cooler inceving if any the second temp is 4°C, i.e., 6°42°C No were custody/security seals intact? No were custody/security seals intact? No No Noce camples collected in the temperature. Actual sample temperature: <u>4°C</u> <u>Container</u> genous VOC samples collected in the correct containers? Yes paproprinte volume/weight or number of sample containers? Yes the diffue sample labels filled out with the minimum information: ample for yourd and/or requested for dissolved metals? No the COC or field labels filled out with the minimum information: ample for yourd and/or requested for dissolved metals? No test context y preserved? No ample(s) correctly preserved? No does the COC specify which phase(s) is to be analyzed? No subcontract Laboratory specified by the client and if so who? No subcontract Laboratory specified by the client and if so who? No subcontract Laboratory specified by the client and if so who? No subcontract Laboratory specified by the client and if so who? No subcontract Laboratory specified by the client and if so	3. Were	samples dropped off by client or carrier?		Yes	Carrier: (Courier
Note: Analysis, such as plf which should be conduced in the field, i.e. 15 minute hold imus, are not included in this discussion. Sample Color for Color Edited and TAT, or Expedited TAT? Yes Sample Color received? Yes 8. If yes, was cooler received? Yes 9. Was he sample (so received in duct, i.e., not broken? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals intat? No 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes Note: Thermal preservation is not required, if samples are received wi 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: <u>4°C</u> Sample Container 14. Are aqueous VOC samples collected in VOA Vials? NA 15. Are VOC samples collected in UOA vials? NA 15. Are VOC samples collected in the correct containers? Yes 19. Is the paperpriate volume/weight or number of sample containers collected? Yes Collectors name? Yes Sample COC of field labels field out with the minimum information: Sample ID? 10. Does the COC of field labels indicate the samples were preserved? No 21. Are sample(s) correctly preserved? No 22. Are sample(s) correctly preserved? No 23. Are sample Mart M 24. Is lab filteration required and requested for dissolved metals? No 25. Are sample Mart M 26. Does the coc specify which phase(s) is to be analyzed? No 27. If yes, does the COC specify which phase(s) is to be analyzed? No 27. If yes, does the COC specify which phase(s) is to be analyzed? No 27. If yes, does the COC specify which phase(s) is to be analyzed? No 27. Are sample sequined to get sent to a subcontract laboratory? No 28. Are samples required to get sent to a subcontract laboratory? No 29. Are samples required to get sent to a subcontract laboratory? No	Not: Analysis, such as pH which sfould be conducted in the field, i.e. 15 minute hold in me, are one included in this disussion. Comments/Resolution COC indicates standard TAT, or Expedited TAT? Yes separated into 2 reports due to high sample volume. Workorders are as follows: sample cooler received in good condition? Yes separated into 2 reports due to high sample volume. Workorders are as follows: e sample cooler received intact. i.e., on ob troken? Yes separated into 2 reports due to high sample volume. Workorders are as follows: e ustody/security seals intact? NA seamples presenter is not required, if samples are received wit 15 minutes of sampling visible ice, recorde the temperature. Yes Sea Cotaliner queous VOC samples present? No No No O'Co samples collected in VOA Vials? NA Sea head space less than 6-8 mm (pen sized or less)? NA Sea of Co samples collected in VOA Vials? NA Sea head space less than 6-8 mm (pen sized or less)? NA Sea head space less than 6-8 mm (pen sized or less)? NA Sea head space less than 6-4 field out with the minimum information: ample(o) correctly preserved? NA Sea bel <t< td=""><td>4. Was th</td><td>he COC complete, i.e., signatures, dates/times, requested</td><td>analyses?</td><td>Yes</td><td>-</td><td></td></t<>	4. Was th	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes	-	
Barnel Tura Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 10. Wre custody/security seals intact? No 11. If yes, was cooler received in ice? If yes, the recorded temp is 4°C, i.e., 6°42°C Yes Not returns of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sammel Container 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in the correct containers? Yes Date Time Collected? Yes <	The Actual Time (TAT) Yes Coder Project Wool Head Pad D has been separated into 2 reports due to high sample separated into 3 reported wi 15 minutes of sample containers of tess? No No No OC sample collected in the correct containers? Yes Yes Yes Separate volume/weight or number of sample containers collected? Yes Yes Yes Separate fibe	5. Were	Note: Analysis, such as pH which should be conducted in the	field,	Yes		Comments/Resolution
6. Did the COC indicate standard TAT, or Expedited TAT? Yes Project Wool Head Pad D has been separated into 2 reports due to high samp volume. Workcrifters are as follows: 8. Thy sea, sample cooler received? Yes 9. Was the sample cooler received in good condition? Yes 9. Was the sample cooler received intact, i.e., on broken? Yes 10. Were custody/security seals intact? No 11. If yes, were custody/security seals intact? No 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes Mote: Thermal preservation is not required, if samples are received wi 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: $\frac{4°C}{2°C}$ No 14. Are aquecous VOC samples collected in VOA Vials? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was are black (TB) included for VOC analyses? NA 18. Are non-VOC samples collected? Yes Due tried classes	a COC indicate standard TAT, or Expedited TAT? Yes Project Wool Head Pad D has been separated into 2 reports due to high sample soname color received in good condition? Yes Separated into 2 reports due to high sample volume. Workorders are as follows: was cooler received in good condition? Yes E306009 and E306010. E306009 and E306010. was cooler received in good condition? Yes No No No were custody/security seals intat? No No No No was cooler coceived in is on required. if samples are received wil 15 minutes of sampling Yes E306009 and E306010. E306009 were custody/security seals intat? No No No No No was cooler coceived on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes Yes E306009 and E306010. E306009 were custody/security seals intac? No	a 1					Comments/Acsolution
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	<u>astruction</u>	29. Was	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lal	b: na



Date

envirotech Inc.

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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:

Wool Head Pad D

Work Order: E306012

Job Number: 23052-0001

Received: 6/2/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/7/23

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: 6/7/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Wool Head Pad D Workorder: E306012 Date Received: 6/2/2023 8:25:00AM

Ashley Giovengo,



Page 100 of 197

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/2/2023 8:25:00AM, under the Project Name: Wool Head Pad D.

The analytical test results summarized in this report with the Project Name: Wool Head Pad D 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

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 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

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 Sum	mary		
Matador Production Company		Project Name:	Wool Head Pad D		Reported:
3122 National Parks HWY		Project Number:	23052-0001		
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		06/07/23 16:27
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container

Client Sample ID	Lab Sample ID Matrix	Sampled Received Container	
BH02 - 1	E306012-01A Soil	05/31/23 06/02/23 Glass Jar, 4 oz.	
BH02 - 2'	E306012-02A Soil	05/31/23 06/02/23 Glass Jar, 4 oz.	



	50	imple D	ala			
Matador Production Company	Project Name:	Woo	ol Head Pad D			
3122 National Parks HWY	Project Numbe		52-0001			Reported:
Carlsbad NM, 88220	Project Manag	er: Ash	ley Giovengo			6/7/2023 4:27:11PM
		BH02 - 1				
	-	E306012-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: SL		Batch: 2322056
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
Toluene	ND	0.0250	1	06/02/23	06/03/23	
p-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: SL		Batch: 2322056
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: KM		Batch: 2322054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/07/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/07/23	
Surrogate: n-Nonane		114 %	50-200	06/02/23	06/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: BA		Batch: 2323005
Chloride	93.0	20.0	1	06/05/23	06/06/23	



	5	ample D	ala			
Matador Production Company	Project Name:	Woo	l Head Pad D			
3122 National Parks HWY	Project Numb	er: 2303	52-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			6/7/2023 4:27:11PM
		BH02 - 2'				
		E306012-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322056
Benzene	ND	0.0250	1	06/02/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/02/23	06/03/23	
foluene	ND	0.0250	1	06/02/23	06/03/23	
p-Xylene	ND	0.0250	1	06/02/23	06/03/23	
o,m-Xylene	ND	0.0500	1	06/02/23	06/03/23	
Fotal Xylenes	ND	0.0250	1	06/02/23	06/03/23	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322056
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/02/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	06/02/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2322054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/23	06/07/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/02/23	06/07/23	
Surrogate: n-Nonane		118 %	50-200	06/02/23	06/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2323005
Chloride	148	20.0	1	06/05/23	06/06/23	



QC Summary Data

Matador Production Company		Project Name:	W	ool Head Pad	D				Demented
3122 National Parks HWY		Project Number:		3052-0001					Reported:
									6/7/2023 4:27:11PM
Carlsbad NM, 88220		Project Manager:	A	shley Gioveng	go				6///2023 4:27:11PM
		Volatile O	rganics k	oy EPA 802	21B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2322056-BLK1)							Prepared: 0	6/02/23 A	nalyzed: 06/02/23
Benzene	ND	0.0250					1		•
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.7	70-130			
LCS (2322056-BS1)							Prepared: 0	6/02/23 A	nalyzed: 06/02/23
Benzene	4.29	0.0250	5.00		85.8	70-130			
Ethylbenzene	4.20	0.0250	5.00		84.1	70-130			
Toluene	4.41	0.0250	5.00		88.2	70-130			
o-Xylene	4.39	0.0250	5.00		87.8	70-130			
p,m-Xylene	8.69	0.0500	10.0		86.9	70-130			
Total Xylenes	13.1	0.0250	15.0		87.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	70-130			
Matrix Spike (2322056-MS1)				Source:	E306010-	02	Prepared: 0	6/02/23 A	nalyzed: 06/02/23
Benzene	4.84	0.0250	5.00	ND	96.8	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.5	61-133			
Toluene	4.97	0.0250	5.00	ND	99.4	61-130			
o-Xylene	4.95	0.0250	5.00	ND	99.1	63-131			
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			
Matrix Spike Dup (2322056-MSD1)				Source:	E306010-	02	Prepared: 0	6/02/23 A	nalyzed: 06/03/23
Benzene	4.80	0.0250	5.00	ND	96.0	54-133	0.814	20	
Ethylbenzene	4.68	0.0250	5.00	ND	93.6	61-133	0.902	20	
Toluene	4.93	0.0250	5.00	ND	98.6	61-130	0.814	20	
o-Xylene	4.93	0.0250	5.00	ND	98.7	63-131	0.409	20	
p,m-Xylene	9.65	0.0500	10.0	ND	96.5	63-131	0.816	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.2	63-131	0.678	20	



QC Summary Data

		QU D	u1111110	ii y Data					
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	23	ool Head Pad 052-0001 shley Gioveng					Reported: 6/7/2023 4:27:11PM
	Noi	nhalogenated C	Organics	by EPA 80	15D - GI	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2322056-BLK1)							Prepared: 0	6/02/23 A	nalyzed: 06/02/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			
LCS (2322056-BS2)							Prepared: 0	6/02/23 A	nalyzed: 06/02/23
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			
Matrix Spike (2322056-MS2)				Source:	E306010-	02	Prepared: 0	6/02/23 A	nalyzed: 06/03/23
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.2	70-130			
Matrix Spike Dup (2322056-MSD2)				Source:	E306010-	02	Prepared: 0	6/02/23 A	nalyzed: 06/03/23
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.4	70-130	6.82	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.3	70-130			



QC Summary Data

		QC D	u	ary Data					
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	Wool Head Pad D 23052-0001 Ashley Giovengo					Reported: 6/7/2023 4:27:11PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2322054-BLK1)							Prepared: 0	6/02/23 A	analyzed: 06/06/23
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	59.0		50.0		118	50-200			
LCS (2322054-BS1)							Prepared: 0	6/02/23 A	analyzed: 06/06/23
Diesel Range Organics (C10-C28)	307	25.0	250		123	38-132			
Surrogate: n-Nonane	59.8		50.0		120	50-200			
Matrix Spike (2322054-MS1)				Source: E	306010-	10	Prepared: 0	6/02/23 A	analyzed: 06/06/23
Diesel Range Organics (C10-C28)	358	25.0	250	43.4	126	38-132			
Surrogate: n-Nonane	60.1		50.0		120	50-200			
Matrix Spike Dup (2322054-MSD1)				Source: E	306010-	10	Prepared: 0	6/02/23 A	analyzed: 06/06/23
Diesel Range Organics (C10-C28)	342	25.0	250	43.4	120	38-132	4.39	20	
Surrogate: n-Nonane	55.1		50.0		110	50-200			



QC Summary Data

		$\mathbf{x} \mathbf{v} \mathbf{v}$	••••••	ary Dan					
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager	2	Wool Head Pad 23052-0001 Ashley Gioveng					Reported: 6/7/2023 4:27:11PM
		Anions	by EPA	300.0/9056A	1				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 (2323005-BLK1)							Prepared: 0	6/05/23 A	analyzed: 06/05/23
Chloride	ND	20.0							
LCS (2323005-BS1)							Prepared: 0	6/05/23 A	analyzed: 06/05/23
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2323005-MS1)				Source:	E306003-()1	Prepared: 0	6/05/23 A	analyzed: 06/07/23
Chloride	271	200	250	ND	109	80-120			
Matrix Spike Dup (2323005-MSD1)				Source:	E306003-()1	Prepared: 0	6/05/23 A	analyzed: 06/07/23
Chloride	342	200	250	ND	137	80-120	23.1	20	M5

QC Summary Report Comment:

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



	Demittions		
Matador Production Company	Project Name:	Wool Head Pad D	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/07/23 16:27
	3122 National Parks HWY	Matador Production CompanyProject Name:3122 National Parks HWYProject Number:	3122 National Parks HWY Project Number: 23052-0001

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



nt: Matador Production Company	Bill To			100	La	b Us	e On	ly				TAT		EPA Pr	ogram
pject: Wool Head Pad D	Attention: Matador Production Co		Lab	WO#	12	3	I dol	Numbe	r	1D 2	2D	3D	Standard	CWA	SDWA
oject Manager: Ashley Givoengo Idress: 3122 National Parks HWY	Address: On File		ES	200	01.		23	052-(100				X		DCDA
cy, State, Zip: Carlsbad, NM 88220	<u>City, State, Zip:</u> Phone: 337-319-8398			>		- F	Analy	sis and	Metho	d T T					RCRA
one: 575-988-0055	Email: clinton.talley@matadorreso	urces		ROb										State	
nail: agiovengo@ensolum.com	.com			R0/0	-	0		0.0		MN		~	NM CO	UT AZ	TX
port due by:				d/0	y 8021	826	6010	le 30(TX	×		
Time Date Matrix No. of Containers Sample ID		Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
1:21 5/31/23 S 1	BH02-1	1								x					
1:24 5/31/23 S 1	BH02-2'	2								x					
									-						
ditional Instructions: Preserved on ice; Please cc	agiovengo cburton @ ensolum.com a	and clintor	n.talle	ey@n	natad	dorre	esou	rces.co	m on	lab re	sults	;			
eld sampler), attest to the validity and authenticity of this sample. I a crime of collection is considered fraud and may be grounds for leg		abelling the sa	ample lo	ocation	,								ived on ice the day s than 6 °C on subs		ed or
inquisited by: (Signature) Date Time	Received by: (Signaty fige)	Date	-	Time		-	1970			La	o Us	e Only	1	CTA LARA	
06/01/73 100		6-1-2	13	10	00		Rece	eived o	n ice:		N	17 A.T.			
Michael by: (Signature) Date 1-23 Time	Received by: (Signature)	Date	20	Time	72.										
Michel Michel Market Market Michel Market Michel Mi	Received by: (Signature)	Date:	123	L/ Time	30	2	<u>T1</u>	- Carlos		<u>T2</u>			<u> </u>		
ALLEN MEGS 6-1-23740	D CA.H. MAIN	10/2/1	12	X'	25	-	AVG	Temp	°c 4						
nple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	- man must	Container	r Type	:g-g	lass,		_			per gla	55. V	- VOA	the second second		

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Envirotech Analytical Laboratory

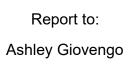
Sample Receipt Checklist (SRC)

Client:	Matador Production Company Da	ate Received:	06/02/23	08:15	Work Order ID:	E306012
Phone:	(575) 988-0055 Da	ate Logged In:	06/02/23	09:08	Logged In By:	Caitlin Mars
Email:		ie Date:	06/08/23	17:00 (4 day TAT)		
Chain of	f Custody (COC)					
. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>					
5. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are rec	,	Yes			
10.10	minutes of sampling		0			
	visible ice, record the temperature. Actual sample tem	nperature: <u>4</u> -	<u>c</u>			
	<u>Container</u>					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA NA			
	e head space less than 6-8 mm (pea sized or less)?					
	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?		NA Vas			
	appropriate volume/weight or number of sample containers?	collected?	Yes Yes			
		conecteur	105			
Field La	e field sample labels filled out with the minimum inform	ation				
	Sample ID?	anon	Yes			
	Date/Time Collected?		Yes			
C	Collectors name?		Yes			
	Preservation					
	s the COC or field labels indicate the samples were prese	rved?	No			
	sample(s) correctly preserved?	1.0	NA			
24. Is lab	o filteration required and/or requested for dissolved meta	us?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase?		No			
27. If yes	s, does the COC specify which phase(s) is to be analyzed	d?	NA			
<u>Subcont</u>	ract Laboratory					
28. Are s	samples required to get sent to a subcontract laboratory?		No			

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



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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:

Wool Head Pad D

Work Order: E306035

Job Number: 23052-0001

Received: 6/6/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/8/23

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: 6/8/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Wool Head Pad D Workorder: E306035 Date Received: 6/6/2023 8:20:00AM

Ashley Giovengo,



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Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/6/2023 8:20:00AM, under the Project Name: Wool Head Pad D.

The analytical test results summarized in this report with the Project Name: Wool Head Pad D 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

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

Released to Imaging: 10/3/2023 8:15:22 AM

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

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

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r r		Sample Sum	mary		0
Matador Production Company		Project Name:	Wool Head Pad D		Reported:
3122 National Parks HWY		Project Number:	23052-0001		Reported.
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		06/08/23 13:53
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH07 - 9.5'	E306035-01A	Soil	05/31/23	06/06/23	Glass Jar, 4 oz.



		mpic D				
Matador Production Company	Project Name:		l Head Pad I	D		
3122 National Parks HWY	Project Number		52-0001			Reported:
Carlsbad NM, 88220	Project Manage	r: Ash	ley Giovengo	0		6/8/2023 1:53:42PM
	В	3H07 - 9.5'				
	ŀ	2306035-01				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	Analyst: IY		Batch: 2323009
Benzene	ND	0.0250	1	06/06/23	06/07/23	
Ethylbenzene	ND	0.0250	1	06/06/23	06/07/23	
Toluene	ND	0.0250	1	06/06/23	06/07/23	
p-Xylene	ND	0.0250	1	06/06/23	06/07/23	
o,m-Xylene	ND	0.0500	1	06/06/23	06/07/23	
Total Xylenes	ND	0.0250	1	06/06/23	06/07/23	
Surrogate: Bromofluorobenzene		100 %	70-130	06/06/23	06/07/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/06/23	06/07/23	
Surrogate: Toluene-d8		104 %	70-130	06/06/23	06/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: IY		Batch: 2323009
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/06/23	06/07/23	
Surrogate: Bromofluorobenzene		100 %	70-130	06/06/23	06/07/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/06/23	06/07/23	
Surrogate: Toluene-d8		104 %	70-130	06/06/23	06/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	Analyst: KM		Batch: 2323029
Diesel Range Organics (C10-C28)	157	25.0	1	06/07/23	06/07/23	
Dil Range Organics (C28-C36)	84.9	50.0	1	06/07/23	06/07/23	
Surrogate: n-Nonane		126 %	50-200	06/07/23	06/07/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	Analyst: BA		Batch: 2323031
Chloride	545	20.0	1	06/07/23	06/07/23	





QC Summary Data

Matador Production Company		Project Name:	W	ool Head Pad D)				Reported:
3122 National Parks HWY		Project Number:	23	052-0001					- T
Carlsbad NM, 88220		Project Manager:	As	shley Giovengo					6/8/2023 1:53:42PM
		Volatile Organic	Compou	unds by EPA	A 8260F	3			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 (2323009-BLK1)							Prepared: 0	6/06/23 Ar	nalyzed: 06/06/23
Benzene	ND	0.0250					1		
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.509	0.0200	0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
-							Duonouodi ()	6106122 1	alward, 06/06/22
LCS (2323009-BS1)			0.50		102	50.100	Prepared: 0	0/00/23 AI	nalyzed: 06/06/23
Benzene	2.56	0.0250	2.50		102	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.64	0.0250	2.50		106	70-130			
p-Xylene	2.65	0.0250	2.50		106	70-130			
p,m-Xylene	5.29	0.0500	5.00		106	70-130			
Total Xylenes	7.94	0.0250	7.50		106	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			
Matrix Spike (2323009-MS1)				Source: E	306026-0		Prepared: 0	6/06/23 Ar	nalyzed: 06/06/23
Benzene	2.16	0.0250	2.50	ND	86.3	48-131			
Ethylbenzene	2.15	0.0250	2.50	ND	85.9	45-135			
Toluene	2.19	0.0250	2.50	ND	87.6	48-130			
p-Xylene	2.27	0.0250	2.50	ND	90.8	43-135			
p,m-Xylene	4.48	0.0500	5.00	ND	89.6	43-135			
Total Xylenes	6.75	0.0250	7.50	ND	90.0	43-135			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			
Matrix Spike Dup (2323009-MSD1)				Source: E	306026-0	01	Prepared: 0	6/06/23 Ar	nalyzed: 06/06/23
Benzene	2.46	0.0250	2.50	ND	98.4	48-131	13.1	23	
Ethylbenzene	2.44	0.0250	2.50	ND	97.5	45-135	12.7	27	
Toluene	2.47	0.0250	2.50	ND	98.7	48-130	12.0	24	
p-Xylene	2.55	0.0250	2.50	ND	102	43-135	11.6	27	
p,m-Xylene	5.04	0.0500	5.00	ND	101	43-135	11.7	27	
Total Xylenes	7.59	0.0250	7.50	ND	101	43-135	11.7	27	
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.531		0.500		106	70-130			



QC Summary Data

				ary Data	•				
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:							Reported: 6/8/2023 1:53:42PM
	No	onhalogenated O	rganics	by EPA 801	5D - GR	0			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2323009-BLK1)							Prepared: 0	6/06/23	Analyzed: 06/06/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
LCS (2323009-BS2)							Prepared: 0	6/06/23	Analyzed: 06/06/23
Gasoline Range Organics (C6-C10)	56.0	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
Matrix Spike (2323009-MS2)				Source: I	E306026-0	1	Prepared: 0	6/06/23	Analyzed: 06/06/23
Gasoline Range Organics (C6-C10)	59.9	20.0	50.0	ND	120	70-130			
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			
Matrix Spike Dup (2323009-MSD2)				Source: l	E306026-0	1	Prepared: 0	6/06/23	Analyzed: 06/06/23
Gasoline Range Organics (C6-C10)	59.4	20.0	50.0	ND	119	70-130	0.778	20	
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

QC Summary Data

		QC D	umm	ary Data					
Matador Production Company 3122 National Parks HWY		Project Name: Project Number:		Wool Head Pad I 23052-0001)				Reported:
Carlsbad NM, 88220		Project Manager:	1	Ashley Giovengo	,				6/8/2023 1:53:42PM
	Nonh	alogenated Org	anics by	v EPA 8015D	- 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	analyzed: 06/07/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	60.7		50.0		121	50-200			
LCS (2323029-BS1)							Prepared: 0	6/07/23 A	analyzed: 06/07/23
Diesel Range Organics (C10-C28)	287	25.0	250		115	38-132			
Surrogate: n-Nonane	41.1		50.0		82.2	50-200			
Matrix Spike (2323029-MS1)				Source: E	306036-	05	Prepared: 0	6/07/23 A	analyzed: 06/07/23
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	36.9		50.0		73.8	50-200			
Matrix Spike Dup (2323029-MSD1)				Source: E	306036-	05	Prepared: 0	6/07/23 A	analyzed: 06/07/23
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132	0.125	20	
Surrogate: n-Nonane	38.8		50.0		77.6	50-200			



QC Summary Data

		$\mathbf{x} \in \mathbf{x}$							
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager	2	Vool Head Pad 3052-0001 Ashley Gioveng					Reported: 6/8/2023 1:53:42P
		Anions	by EPA	300.0/90564	<u>۸</u>				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 (2323031-BLK1)							Prepared: 0	6/07/23 A	Analyzed: 06/07/23
Chloride	ND	20.0							
LCS (2323031-BS1)							Prepared: 0	6/07/23 A	Analyzed: 06/07/23
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2323031-MS1)				Source:	E306035-0)1	Prepared: 0	6/07/23 A	Analyzed: 06/07/23
Chloride	781	20.0	250	545	94.3	80-120			
Matrix Spike Dup (2323031-MSD1)				Source:	E306035-0)1	Prepared: 0	6/07/23 A	Analyzed: 06/07/23
Chloride	801	20.0	250	545	102	80-120	2.56	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.



Matador Production Company	Project Name:	Wool Head Pad D	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/08/23 13:53

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



ient: Ma	atador Pr	oductior	n Compar	<u>y</u>	Bill To				La	b Us	se On	ly			511	EPA Program			
roject: Wool Head Pad D									Lab WO#				ber	1D	2D	3D	Standard	CWA	SDWA
			iovengo 'ks Highw	1011	Address: On File								2-000		600		X	_	DCDA
			IM 88220		City, State, Zip: On File Phone: 337-319-8398		-	>		-	Analy	sis ar	nd Metho		-		-		RCRA
	5-988-00		111 00220		Email: clinton.talley@matadorr	esources com		ROb										State	
	ovengo@		n.com		Endir cinton care ye matadori	cources.com		0/0	-		1,14	0		MN			NM CO		TX
eport du	e by:							Ad/c	802	8260	5010	300		1.0		TX	×		
Time	Date	Matrix	No. of	Sample ID		Lab		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
Sampled	Sampled	C. C. S. M.	Containers	bumpie ib		Number		101 801	BTE	N0	Me	ChI		BG		8		Remarks	
1	5/31/23	S	1 jar		BH07-9.5'									X					
			-			-			-				-	-	-				
						244	-												
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dditiona	Instruct	ions: Pr	reserved	on ice. Please cc.	agiovengo@ensolum.com, cole.b	urton@ensol	um.co	om a	nd cl	into	n tall	ev@	matado	rreso	urces		on lab result	c	
			1000	1	-8,,,			ann a				-16	matado		urec.		i on has result		
1 1 1				and the second	am aware that tampering with or intentionally	mislabelling the sa	ample lo	ocation	n,				100 and 100 and				ceived on ice the day t		led or
				I may be grounds for le		2000					receive	d packe	ed in ice at an		-		ess than 6 °C on subse	quent days.	
einquisper	by: Signa	ture)	Date	105/23 10:2	lan Mille Lup	Date 65%	13	Time	221	1				1	2	e On	ly		
elinquished	d by (Signa	turel	Date		Received by: (Signature)	Date /	20	Time	1	-	Rece	eived	on ice:	C) N				
Miche		inal		5-23 170	101.0 / 00 // 0	6-5	-73	17	100)	T1			т2			Т3		
elinquished		V. U.L.	Date	Time	Received by: (Signature)	Date ,	1	Time	00	-	11			12			_ 15		
MAG	1 m	400	6	-5-23 103	n h H Ma	Idial	22	8.	20		AVG	Tem	D° a	ŕ					
ample Matri			- Sludge, A -	Aqueous, O - Other	- unin the	Containe	r Type	:g-g	glass,					ber gl	ass, v	- VOA	1		
					nless other arrangements are made. Haz	ardous samples	will be	retur	ned to	o clier	nt or d	lispos	ed of at th	ne clier				e analysis	of the
bove samp	les is applic	able only	to those sa	imples received by th	e laboratory with this COC. The liability o	f the laboratory i	is limite	ed to t	the an	noun	t paid	for or	the repo	rt.			vir		

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

	Matador Production Company D	ate Received:	06/06/23 08	3:20	Work Order ID: E306035
Phone:	(575) 988-0055 D	ate Logged In:	06/06/23 09):10	Logged In By: Caitlin Mars
Email:		ue Date:	06/12/23 17	7:00 (4 day TAT)	
Chain o	f Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match	the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	Courier
4. Was th	he COC complete, i.e., signatures, dates/times, requested	l analyses?	No		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comments/Resolution
Sample	<u>Turn Around Time (TAT)</u>				
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled not provided on COC per
Sample					client
	a sample cooler received?		Yes		
8. If yes	, was cooler received in good condition?		Yes		
9. Was the	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
11. If ye	s, were custody/security seals intact?		NA		
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample ter	nperature: 4°	С		
	Container	·			
-	aqueous VOC samples present?				
14. Are			No		
	VOC samples collected in VOA Vials?		No NA		
15. Are					
15. Are 16. Is the	VOC samples collected in VOA Vials?		NA		
15. Are 16. Is the 17. Was	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)?		NA NA		
15. Are ⁷ 16. Is the 17. Was 18. Are 1	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses?	s collected?	NA NA NA		
15. Are ⁷ 16. Is the 17. Was 18. Are 1	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers	s collected?	NA NA NA Yes		
 Are ⁷ Is the Was Are ¹ Is the Field La Were 	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform		NA NA Yes Yes		
 15. Are ² 16. Is the 17. Was 18. Are ² 19. Is the Field La 20. Were 	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID?		NA NA Yes Yes		
15. Are 7 16. Is the 17. Was 18. Are 7 19. Is the Field La 20. Were	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?		NA NA Yes Yes Yes Yes		
15. Are 16. Is the 17. Was 18. Are 19. Is the Field La 20. Were	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?		NA NA Yes Yes		
15. Are 16. Is the 17. Was 18. Are 19. Is the Field La 20. Were Sample	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	ation:	NA NA Yes Yes Yes Yes Yes		
15. Are 16. Is the 17. Was 18. Are 19. Is the Field La 20. Were Sample 21. Does	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese	ation:	NA NA Yes Yes Yes Yes		
15. Are 16. Is the 17. Was 18. Are 19. Is the Field La 20. Were 20. Were 21. Does 22. Are	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	ation: erved?	NA NA Yes Yes Yes Yes Yes		
15. Are 16. Is the 17. Was 18. Are 19. Is the Field Lz 20. Were 20. Were 21. Does 22. Are 24. Is lat	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	ation: erved?	NA NA Yes Yes Yes Yes No NA		
15. Are 16. Is the 17. Was 18. Are 19. Is the Field Ls 20. Were 20. Were 21. Does 22. Are 24. Is lal Multiph	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta tase Sample Matrix	ation: erved? als?	NA NA Yes Yes Yes Yes No NA No		
15. Are 16. Is the 17. Was 18. Are 19. Is the Field Ls 20. Were 20. Were 21. Does 22. Are 24. Is lai Multiph 26. Does	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	ation: erved? als?	NA NA Yes Yes Yes Yes Yes No NA No		
15. Are 16. Is the 17. Was 18. Are 19. Is the Field La 20. Were 21. Does 22. Are 24. Is lat Multiph 26. Does 27. If ye	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta hase Sample Matrix s the sample have more than one phase, i.e., multiphase?	ation: erved? als?	NA NA Yes Yes Yes Yes No NA No		
15. Are 16. Is the 17. Was 18. Are 19. Is the Field Lz 20. Were 21. Does 22. Are 24. Is lai <u>Multiph</u> 26. Does 27. If ye	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta tase Sample Matrix s the sample have more than one phase, i.e., multiphase? is, does the COC specify which phase(s) is to be analyze	ation: erved? als? d?	NA NA Yes Yes Yes Yes Yes No NA No		

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



envirotech Inc.

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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:

Wool Head Pad D

Work Order: E306105

Job Number: 23052-0001

Received: 6/14/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/19/23

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: 6/19/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Wool Head Pad D Workorder: E306105 Date Received: 6/14/2023 7:35:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/14/2023 7:35:00AM, under the Project Name: Wool Head Pad D.

The analytical test results summarized in this report with the Project Name: Wool Head Pad D 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

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

Released to Imaging: 10/3/2023 8:15:22 AM

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

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

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r -		Sample Sum	mary		Ŭ
Matador Production Company		Project Name:	Wool Head Pad D		Reported:
3122 National Parks HWY		Project Number:	23052-0001		Reporteu:
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		06/19/23 14:41
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 - 5'	E306105-01A	Soil	06/12/23	06/14/23	Glass Jar, 2 oz.



	50	ampie D	ala					
Matador Production Company	Project Name:		l Head Pad D					
3122 National Parks HWY	Project Numbe		52-0001			Reported:		
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			6/19/2023 2:41:30PM		
		BH05 - 5'						
		E306105-01						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY	st: IY			
Benzene	ND	0.0250	1	06/14/23	06/14/23			
Ethylbenzene	ND	0.0250	1	06/14/23	06/14/23			
Toluene	ND	0.0250	1	06/14/23	06/14/23			
p-Xylene	ND	0.0250	1	06/14/23	06/14/23			
o,m-Xylene	ND	0.0500	1	06/14/23	06/14/23			
Fotal Xylenes	ND	0.0250	1	06/14/23	06/14/23			
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	06/14/23	06/14/23			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2324023		
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/23	06/14/23			
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	06/14/23	06/14/23			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2324031		
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23			
Dil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23			
Surrogate: n-Nonane		84.9 %	50-200	06/14/23	06/15/23			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2324030		
Chloride	933	20.0	1	06/14/23	06/15/23			

Sample Data



QC Summary Data

				-					
Matador Production Company		Project Name:		ool Head Pad	D				Reported:
3122 National Parks HWY		Project Number:	23	3052-0001					
Carlsbad NM, 88220		Project Manager:	As	shley Gioveng	go				6/19/2023 2:41:30PM
					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 (2324023-BLK1)							Prepared: 0	6/13/23 A	analyzed: 06/14/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.8	70-130			
LCS (2324023-BS1)							Prepared: 0	6/13/23 A	analyzed: 06/14/23
Benzene	4.69	0.0250	5.00		93.8	70-130			
Ethylbenzene	4.65	0.0250	5.00		92.9	70-130			
Toluene	4.80	0.0250	5.00		95.9	70-130			
p-Xylene	4.76	0.0250	5.00		95.2	70-130			
p,m-Xylene	9.45	0.0500	10.0		94.5	70-130			
Total Xylenes	14.2	0.0250	15.0		94.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			
Matrix Spike (2324023-MS1)				Source:	E306100-	01	Prepared: 0	6/13/23 A	analyzed: 06/14/23
Benzene	4.61	0.0250	5.00	ND	92.2	54-133			
Ethylbenzene	4.58	0.0250	5.00	ND	91.6	61-133			
Toluene	4.71	0.0250	5.00	ND	94.2	61-130			
p-Xylene	4.66	0.0250	5.00	ND	93.3	63-131			
p,m-Xylene	9.31	0.0500	10.0	ND	93.1	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.7	70-130			
Matrix Spike Dup (2324023-MSD1)					E306100-		-		analyzed: 06/14/23
Benzene	4.54	0.0250	5.00	ND	90.9	54-133	1.40	20	
Ethylbenzene	4.53	0.0250	5.00	ND	90.6	61-133	1.05	20	
Toluene	4.65	0.0250	5.00	ND	93.0	61-130	1.23	20	
p-Xylene	4.64	0.0250	5.00	ND	92.7	63-131	0.569	20	
p,m-Xylene	9.21	0.0500	10.0	ND	92.1	63-131	1.13	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.3	63-131	0.945	20	



QC Summary Data

		QU D	ummu	ii y Data	•				
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	23	Vool Head Pad 3052-0001 shley Gioveng					Reported: 6/19/2023 2:41:30PM
Carisoad NM, 66220	Noi	nhalogenated (, 0		RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2324023-BLK1)							Prepared: 0	6/13/23 A	nalyzed: 06/14/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			
LCS (2324023-BS2)							Prepared: 0	6/13/23 A	nalyzed: 06/14/23
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			
Matrix Spike (2324023-MS2)				Source:	E306100-(01	Prepared: 0	6/13/23 A	nalyzed: 06/14/23
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	95.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			
Matrix Spike Dup (2324023-MSD2)				Source:	E306100-(01	Prepared: 0	6/13/23 A	nalyzed: 06/14/23
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.5	70-130	4.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



QC Summary Data

		QC D	umm	ary Data					
Matador Production Company 3122 National Parks HWY		Project Name: Project Number:		Wool Head Pad I 23052-0001)				Reported:
Carlsbad NM, 88220		Project Manager:	1	Ashley Giovengo	,				6/19/2023 2:41:30PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- 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 (2324031-BLK1)							Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	34.5		50.0		69.1	50-200			
LCS (2324031-BS1)							Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	38-132			
Surrogate: n-Nonane	39.9		50.0		79.7	50-200			
Matrix Spike (2324031-MS1)				Source: E	306103-	01	Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28)	232	25.0	250	ND	93.0	38-132			
Surrogate: n-Nonane	34.2		50.0		68.4	50-200			
Matrix Spike Dup (2324031-MSD1)				Source: E	306103-	01	Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.9	38-132	0.0430	20	
Surrogate: n-Nonane	36.9		50.0		73.8	50-200			



QC Summary Data

		$\mathbf{x} \in \mathbf{z}$	~~~~~		•				
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	Vool Head Pad 1 3052-0001 Ashley Gioveng					Reported: 6/19/2023 2:41:30PM
		Anions	by EPA	300.0/9056A					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 (2324030-BLK1)							Prepared: 0	6/14/23	Analyzed: 06/14/23
Chloride LCS (2324030-BS1)	ND	20.0					Prepared: 0	6/14/23	Analyzed: 06/14/23
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2324030-MS1)				Source: 1	E306103-0)1	Prepared: 0	6/14/23	Analyzed: 06/14/23
Chloride	276	20.0	250	23.0	101	80-120			
Matrix Spike Dup (2324030-MSD1)				Source: l	E306103-0	01	Prepared: 0	6/14/23	Analyzed: 06/14/23
Chloride	278	20.0	250	23.0	102	80-120	0.843	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.



Matador Production Company	Project Name:	Wool Head Pad D	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/19/23 14:41

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Release Project Information	n
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Chain of Custody

Page _____ of ____

Received by OCD: 7/13/2023 12:00:15 AM

Client: Matador Production C	Company		Bill To		N. 1.	L	ab Us	se On	ly			T/	AT	-	EPA P	rogram
Project: Wood Head Pad D			Attention: Matador Production	Co	Lab W	0#		Job N	Number	. 1	D 2D	3D	Sta	ndard	CWA	SDWA
Project Manager: Ashley Giov			Address: On File		E30	Jel			52-00					Х		
Address: 3122 National Park			<u>City, State, Zi</u>				_	Analys	sis and Me	ethod						RCRA
City, State, Zip Carlsbad, NM	88220		Phone: 337-319-8398		yd (-	1	3.11		
Phone: 575-988-0055			Email: clinton.talley@matadorres	ources.com	ORC										State	
Email: agiovengo@ensolum.	com				SRO/	21	00	0	300.0		MN	XL		VM CO	UT AZ	TX
Report due by:		I		Press and a second	30/0	y 80	/ 826	601	le 30					X		
Time 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		BGDOC	GDOC			Remarks	
1250 6/12/2023 S	1		BH05-5'	1							x					
														1		
						_	-					-				
							1									
	-					-	-					-				
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(field sampler), attest to the validity a	nd authentici	ity of this sample. I ar	n aware that tampering with or intentionally mislat	elling the samp	le location	n,		Sample	s requiring the	rmal pres	servation m	ust be re	eceived or	n ice the day	they are samp	
ate or time of collection is considered				liges			_	received	d packed in ice	at an avg				6 °C on subse	equent days.	
Relinquished by: (Signature)	Date		00 Alcula Constant	Date (0-12-	23 Tir	me	C	Rece	ived on i	-0.	Lab U		nly			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date		me		Incee	ived on i		0					
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elinquished by: (Signature)	Date	Time	45 Received by: (Signature)	Date /	In Tir	me	-			11						
Andrew mosso		-12-12-12	43 Cullilla	0/19	13	1.3			Temp °C			No.	Katero i	ti der sig		
ample Matrix: S - Soil, Sd - Solid, Sg - Sl						the second se			lastic, ag -	-			_			
		and the second	ess other arrangements are made." Hazardou tory with this COC. The liability of the laborati	A CONTRACTOR OF A CONTRACT OF						he clier	nt expen	se. Th	ne repor	t for the a	inalysis of t	the above
amples is applicable only to those	samples rec	erved by the labora	tory with this COC. The hability of the laboration	siy is inflited t	o the affi	ount pa	iu iur	on the	report.		-			-	100	0

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Production Company Da	ate Received:	06/14/23	07:35		Work Order ID:	E306105
Phone:	(575) 988-0055 Da	ate Logged In:	06/13/23	16:32		Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com De	le Date:	06/20/23	17:00 (4 day TAT)			
Chain of	f Custody (COC)						
1. Does t	the sample ID match the COC?		Yes				
2. Does t	the number of samples per sampling site location match	the COC	Yes				
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was th	ne COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes				
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes	_		<u>Commen</u>	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	<u>Cooler</u>						
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
12. Was ti	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample ter	nperature: <u>4°</u>	<u>C</u>				
Sample	Container						
	aqueous VOC samples present?		No				
15. Are V	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 containers	collected?	Yes				
Field La	bel						
	field sample labels filled out with the minimum inform	ation:					
	Sample ID?		Yes				
	Date/Time Collected? Collectors name?		Yes	_			
	Preservation_		Yes				
_	the COC or field labels indicate the samples were prese	rved?	No				
	sample(s) correctly preserved?		NA				
	o filteration required and/or requested for dissolved meta	ls?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase?		No				
	s, does the COC specify which phase(s) is to be analyzed		NA				
			1 12 1				
	ract Laboratory_ samples required to get sent to a subcontract laboratory?		No				
			INO				
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab:	NA		



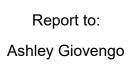
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Corrected project name per C. Burton Lelia 123 CM

Project Information

Sub-March 1	latador Prod		ompany				Bill To		-inter-				e Onl					TA			the state of the s	ogram	1
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Address:	3122 Natio	nal Parks	Hwy		City	, State, Zi								is and I								RCRA	
	te, Zip Carls		88220		and the second sec	one: <u>337-319-8</u>	<u>398</u> @matadorresou			to by								-	1	1	State		
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Report d	ue by:					the second second	a the standard of the standard of the	1		IO/DI	y 802	y 826(6010	te 30(¥	X				
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		F	Remarks		
1250	6/12/2023	S	1			BH05-5'		1								x					a series	1	
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, (field sam	pler), attest to the of collection is a	e validity an	d authentici	ty of this sampl	e. I am aware th	nat tampering with or	intentionally mislabell	ing the samp	le locati	ion,		5	Samples	requiring	thermal	preserva	tion mu	t be reci		the day th	ey are sample		
	ed.by: (Signatu	the second se	Date	Т	me 1000	Received by: (Sign	aturet.	Date G-17-	13	Time	000		Posol	ved or	leas		10. 10. 10. 10. 10. 10. 10. 10. 10. 10.	e Onl	y				
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Relinquish	ed by: (Signatu		Date	12 22	27/15	Received by: (Syn	ma	Date / Date	122	Time	20	-	11		- 4	12				1,			
ample Mat	rix: 5 - Soil, Sd - 9	Solid, Sg - Slu	dge, A - Aqu	reous, O - Other	(01)	aun	11ac	Containe	r Type	:g	glass.	_		Temp	_	ber el	ass. v	- VOA		al ch	and the second second	Contraction of the second	
Note: Sam	ples are discard	ded 30 days	after resu	Its are reporte	d unless other	r arrangements are	made. Hazardous s ity of the laboratory	amples will	be ret	urned	to cli	ent or	dispo	sed of a	t the c	lient e	xnense	The	report fo	or the an	alysis of th	e above	1

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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:

Wool Head Pad D

Work Order: E306107

Job Number: 23052-0001

Received: 6/14/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/19/23

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: 6/19/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Wool Head Pad D Workorder: E306107 Date Received: 6/14/2023 7:35:00AM

Ashley Giovengo,



Page 138 of 197

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/14/2023 7:35:00AM, under the Project Name: Wool Head Pad D.

The analytical test results summarized in this report with the Project Name: Wool Head Pad D 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

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

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

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 Sum	mary		C C
Matador Production Company		Project Name:	Wool Head Pad D		Reported:
3122 National Parks HWY		Project Number:	23052-0001		Reported:
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		06/19/23 14:43
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH06 - 8'	E306107-01A	Soil	06/12/23	06/14/23	Glass Jar, 2 oz.



	50	ampie D	ala			
Matador Production Company	Project Name:	Woo	ol Head Pad D			
3122 National Parks HWY	Project Numbe	er: 230.	52-0001			Reported:
Carlsbad NM, 88220	Project Manag	er: Ash	ley Giovengo			6/19/2023 2:43:21PM
		BH06 - 8'				
	-	E306107-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2324023
Benzene	ND	0.0250	1	06/14/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/14/23	06/14/23	
Foluene	ND	0.0250	1	06/14/23	06/14/23	
p-Xylene	ND	0.0250	1	06/14/23	06/14/23	
o,m-Xylene	ND	0.0500	1	06/14/23	06/14/23	
Fotal Xylenes	ND	0.0250	1	06/14/23	06/14/23	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2324023
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/23	06/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	35.0	25.0	1	06/14/23	06/15/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
Surrogate: n-Nonane		86.5 %	50-200	06/14/23	06/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2324030
Chloride	37.9	20.0	1	06/14/23	06/15/23	

Sample Data



QC Summary Data

		<u><u><u></u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>							
Matador Production Company 3122 National Parks HWY		Project Name: Project Number:	2	Vool Head Pad 3052-0001					Reported:
Carlsbad NM, 88220		Project Manager:	A	shley Gioveng	go				6/19/2023 2:43:21PM
		Volatile O	rganics	by EPA 802	21B				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 (2324023-BLK1)							Prepared: 0	6/13/23 A	analyzed: 06/14/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Foluene	ND	0.0250							
o-Xylene	ND	0.0250							
,m-Xylene	ND	0.0500							
Fotal Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.8	70-130			
LCS (2324023-BS1)							Prepared: 0	6/13/23 A	analyzed: 06/14/23
Benzene	4.69	0.0250	5.00		93.8	70-130			
Ethylbenzene	4.65	0.0250	5.00		92.9	70-130			
Toluene	4.80	0.0250	5.00		95.9	70-130			
o-Xylene	4.76	0.0250	5.00		95.2	70-130			
o,m-Xylene	9.45	0.0500	10.0		94.5	70-130			
Total Xylenes	14.2	0.0250	15.0		94.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			
Matrix Spike (2324023-MS1)				Source:	E306100-	01	Prepared: 0	6/13/23 A	analyzed: 06/14/23
Benzene	4.61	0.0250	5.00	ND	92.2	54-133			
Ethylbenzene	4.58	0.0250	5.00	ND	91.6	61-133			
Toluene	4.71	0.0250	5.00	ND	94.2	61-130			
o-Xylene	4.66	0.0250	5.00	ND	93.3	63-131			
,m-Xylene	9.31	0.0500	10.0	ND	93.1	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.7	70-130			
Matrix Spike Dup (2324023-MSD1)			Source:	E306100-	01	Prepared: 0	6/13/23 A	analyzed: 06/14/23	
Benzene	4.54	0.0250	5.00	ND	90.9	54-133	1.40	20	
Ethylbenzene	4.53	0.0250	5.00	ND	90.6	61-133	1.05	20	
Foluene	4.65	0.0250	5.00	ND	93.0	61-130	1.23	20	
o-Xylene	4.64	0.0250	5.00	ND	92.7	63-131	0.569	20	
o,m-Xylene	9.21	0.0500	10.0	ND	92.1	63-131	1.13	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.3	63-131	0.945	20	
foluene Xylene o,m-Xylene	4.65 4.64 9.21	0.0250 0.0250 0.0500	5.00 5.00 10.0	ND ND ND	93.0 92.7 92.1	63-131 63-131	1.23 0.569 1.13	20 20	



QC Summary Data

		YC N		ary Data						
Matador Production Company 3122 National Parks HWY		Project Name: Project Number:		Vool Head Pad D 3052-0001					Reported:	
Carlsbad NM, 88220		Project Manager:	А	Ashley Giovengo				6/19/2023 2:43:21PM		
	Noi	nhalogenated O	rganics	by EPA 8015	5 D - G l	RO			Analyst: IY	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2324023-BLK1)							Prepared: 0	6/13/23 A	nalyzed: 06/14/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130				
LCS (2324023-BS2)							Prepared: 0	6/13/23 A	analyzed: 06/14/23	
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.7	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130				
Matrix Spike (2324023-MS2)				Source: E	306100-	01	Prepared: 0	6/13/23 A	analyzed: 06/14/23	
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	95.9	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130				
Matrix Spike Dup (2324023-MSD2)				Source: E	306100-	01	Prepared: 0	6/13/23 A	analyzed: 06/14/23	
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.5	70-130	4.71	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130				



QC Summary Data

		QU N		ary Date	•						
Matador Production Company 3122 National Parks HWY		Project Name: Project Number:		Vool Head Pad 3052-0001	D				Reported:		
Carlsbad NM, 88220		Project Manager:	А	Ashley Gioveng	0			6/19/2023 2:43:21PM			
	Nonh	alogenated Org	anics by	EPA 8015D	- 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 (2324031-BLK1)							Prepared: 0	6/14/23 A	Analyzed: 06/14/23		
Diesel Range Organics (C10-C28)	ND	25.0									
Oil Range Organics (C28-C36)	ND	50.0									
Surrogate: n-Nonane	34.5		50.0		69.1	50-200					
LCS (2324031-BS1)							Prepared: 0	6/14/23 A	Analyzed: 06/14/23		
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	38-132					
Surrogate: n-Nonane	39.9		50.0		79.7	50-200					
Matrix Spike (2324031-MS1)				Source: E306103-01				Prepared: 06/14/23 Analyzed: 06/14/23			
Diesel Range Organics (C10-C28)	232	25.0	250	ND	93.0	38-132					
Surrogate: n-Nonane	34.2		50.0		68.4	50-200					
Matrix Spike Dup (2324031-MSD1)				Source:	E306103-	01	Prepared: 0	6/14/23 A	Analyzed: 06/14/23		
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.9	38-132	0.0430	20			
Surrogate: n-Nonane	36.9		50.0		73.8	50-200					



QC Summary Data

	$\chi \sim \sim$			-				
	Project Name: Project Number:	2	3052-0001					Reported:
	Project Manager:	А	Ashley Gioveng	0				6/19/2023 2:43:21PM
	Anions	by EPA	300.0/9056A	1				Analyst: BA
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	6/14/23 A	Analyzed: 06/14/23
ND	20.0							
						Prepared: 0	6/14/23 A	Analyzed: 06/14/23
256	20.0	250		102	90-110			
			Source:	E306103-(01	Prepared: 0	6/14/23 A	Analyzed: 06/14/23
276	20.0	250	23.0	101	80-120			
			Source:	E306103-()1	Prepared: 0	6/14/23 A	Analyzed: 06/14/23
278	20.0	250	23.0	102	80-120	0.843	20	
-	mg/kg ND 256 276	Project Name: Project Number: Project Manager: Anions Result MD 256 200 276 200	Project Name: N Project Number: 2 Project Manager: A Anions by EPA Result Reporting mg/kg Spike Level mg/kg ND 20.0 256 20.0 250 276 20.0 250	Project Number: 23052-0001 Project Number: 23052-0001 Project Manager: Ashley Gioveng Anions by EPA 300.0/9056A Result Result Reporting Spike Source Result Imit Level Result mg/kg mg/kg mg/kg mg/kg ND 20.0 250 256 20.0 250 276 20.0 250 Source: 276 20.0 250 Source:	Project Name: Wool Head Pad D Project Number: 23052-0001 Project Manager: Ashley Giovengo Anions by EPA 300.0/9056A Reporting Result Reporting Spike Market Market Rec mg/kg mg/kg mg/kg % ND 20.0 250 102 256 20.0 250 102 276 20.0 250 23.0 101 Source: E306103-0 101 101	Vool Head Pad D Project Name: Wool Head Pad D Project Number: 23052-0001 Project Manager: Ashley Giovengo Anions by EPA 300.0/9056A Result Rec Limit Spike Source Rec Mp/kg mg/kg mg/kg mg/kg % ND 20.0 250 102 90-110 Source: E306103-01 20.0	Vool Head Pad D 23052-0001 Project Number: 23052-0001 Project Manager: Ashley GiovengoAnions by EPA 300.0/9056AResult Anions by EPA 300.0/9056AResultReporting LimitSpike LevelSource Result ResultRec %NPD %MD20.0Prepared: 0ND20.0Prepared: 0ND20.0Prepared: 025620.025010290-11027620.025023.010180-120Source: E306103-01Prepared: 0Prepared: 0Prepared: 0ND20.0Source: E306103-01Prepared: 0Prepared: 0Prepared: 0Prepared: 0Prepared: 0Prepared: 0Prepared: 0Prepared: 0Source: E306103-01Prepared: 0Prepared: 0	Vool Head Pad D Project Name: Wool Head Pad D Project Number: 23052-0001 Project Manager: Ashley Giovengo Ashley Giovengo Anions by EPA 300.0/9056A Result Reporting Spike Source Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg mg/kg % % % % ND 20.0 E300 200 Interpretein the state of the s

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.



_				
	Matador Production Company	Project Name:	Wool Head Pad D	
l	3122 National Parks HWY	Project Number:	23052-0001	Reported:
	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/19/23 14:43

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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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Production Company	Date Received:	06/14/23	07:35	Work Order ID:	E306107
Phone:	(575) 988-0055	Date Logged In:	06/13/23	16:37	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	06/20/23	17:00 (4 day TAT)		
<u>Chain of</u>	Custody (COC)					
1. Does tl	he sample ID match the COC?		Yes			
2. Does th	he number of samples per sampling site location mate	h the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes			
5. Were a	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 disucssion		Yes		Commen	ts/Resolution
Sample T	<u>Furn Around Time (TAT)</u>					
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	Cooler_					
7. Was a s	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?		No			
10. Were	custody/security seals present?		No			
11. If yes	, were custody/security seals intact?		NA			
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling	,	Yes			
13. If no ⁻	visible ice, record the temperature. Actual sample t	emperature: <u>4°</u>	<u>C</u>			
Sample (Container	-				
	queous VOC samples present?		No			
15. Are V	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	trip blank (TB) included for VOC analyses?		NA			
18. Are n	on-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample contained	ers collected?	Yes			
Field Lab	bel					
20. Were	field sample labels filled out with the minimum infor	mation:				
S	ample ID?		Yes			
	Date/Time Collected?		Yes			
-	collectors name?		Yes			
	Preservation		NT.			
	the COC or field labels indicate the samples were pro ample(s) correctly preserved?	serveu?	No Na			
	filteration required and/or requested for dissolved me	etals?	NA No			
			INO			
	ase Sample Matrix	0				
	the sample have more than one phase, i.e., multiphas		No			
27. If yes	, does the COC specify which phase(s) is to be analyz	zed?	NA			
	act Laboratory					
Subcontr						
	amples required to get sent to a subcontract laborator	y?	No			



Date

envirotech Inc.

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

Released to Imaging: 10/3/2023 8:15:22 AM

Corrected project name per C. Burton Lol19123 CM

Project Information

 Client: Matador Production (

 Project: Wood Head Pad D

 Project Manager: Ashley Gio

 Address: 3122 National Park

 City, State, Zip Carlsbad, NM

 Phone: 575-988-0055

 Email: agiovengo@ensolum

 Report due by:

 Time

 Sampled

 Date Sampled

 Matrix

 1330

 6/12/2023

X

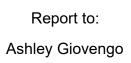
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Chain of Custody

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date or time of collection is considered fraud and may be grounds for legal action. Sampled by: [Now, Hays received packed in ice at an arg temp above 0 but less than 6°C on subsequent days. Relinquished by: (Signature) Date Time Lab Use Only Relinquished by: (Signature) Date Time Lab Use Only Relinquished by: (Signature) Date Time Lab Use Only Relinquished by: (Signature) Date Time Time Mutuul Linup Coll3-23 TODO Received on ice: D/N Relinquished by: (Signature) Date Time Time Time Mutuul More Signature) Date Time Time Time Time Sample Matrix: 5- Soil, Sd - Solid, Sg - Studge, A - Aqueous, 0 - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The			_	Ð	ni	96	r	c- (na	and the second second second second					he r	3	ð	ar	d	C	bu	rti	on	Ne	nseli	um	com
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Imitual Line Cold M 1530 Mole Mr460 6-13-25 1700 T1 T2 T3 Relinquished by: (Signature) Date Time Received by: (Signature) Date Time Time Received by: (Signature) Date Time AVG Temp °C 4 Avg Temp °C 4 <td>-th</td> <td>ma</td> <td></td> <td>4</td> <td></td> <td></td> <td>0</td> <td>Michel</td> <td>le Uch</td> <td>yle</td> <td>and the second division of the second divisio</td> <td>23</td> <td></td> <td>000</td> <td>2</td> <td>Rec</td> <td>eived</td> <td>d on i</td> <td>ice:</td> <td></td> <td></td> <td>Dnly</td> <td></td> <td></td> <td></td> <td></td>	-th	ma		4			0	Michel	le Uch	yle	and the second division of the second divisio	23		000	2	Rec	eived	d on i	ice:			Dnly				
Sample Matrix: S-Soil, Sg - Sludge, A - Aqueous, O - Other [Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.	Mich	ulate	up	- 10	13.23	153	0	Andrew	Mrg	600	6-13		17	100						<u>T2</u>			<u>T3</u>			
Sample Matrix: S-Soil, Sg - Sludge, A - Aqueous, O - Other [Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.	A	ed by: (Signatur	150	Date 6-	13.23	22	45	Cartly	ignature)	lan	Date UI4	23	Time 7:	33	5	AVO	G Ter	np °C	:4		-11-	1				
samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.	Sample Mat	rix: S - Soil, Sd - S	olid, Sg - Slu	dge, A - Aqu	eous, O - Othe	er		A LEL C		and the second second	Containe	er Typ	e:g-	glass,	, p - 1	poly/p	plasti	c, ag	- amb	er glass					Long Lating	
envirotech envirotech										Hazardous s	amples wil	l be re	turne	d to c	lient	or disp	posed	ofat	the cli	ent exp						P
																E	3		(e	n	V	ir	ot	e	ch ¹⁴
										Page	13 of 13	}														9 of 19





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:

Wool Head Pad D

Work Order: E306106

Job Number: 23052-0001

Received: 6/14/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/19/23

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: 6/19/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Wool Head Pad D Workorder: E306106 Date Received: 6/14/2023 7:35:00AM

Ashley Giovengo,



Page 151 of 197

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/14/2023 7:35:00AM, under the Project Name: Wool Head Pad D.

The analytical test results summarized in this report with the Project Name: Wool Head Pad D 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

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

Released to Imaging: 10/3/2023 8:15:22 AM

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

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

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*		Sample Sum	mary		Ŭ
Matador Production Company		Project Name:	Wool Head Pad D		Reported:
3122 National Parks HWY		Project Number:	23052-0001		Reporteu.
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		06/19/23 13:33
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container



	Si	ample D	ala			
Matador Production Company	Project Name:	Woo	ol Head Pad D			
3122 National Parks HWY	Project Numbe	er: 230	52-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			6/19/2023 1:33:06PM
		BH06 - 7'				
		E306106-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2324023
Benzene	ND	0.0250	1	06/14/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/14/23	06/14/23	
Toluene	ND	0.0250	1	06/14/23	06/14/23	
p-Xylene	ND	0.0250	1	06/14/23	06/14/23	
o,m-Xylene	ND	0.0500	1	06/14/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/14/23	06/14/23	
Surrogate: 4-Bromochlorobenzene-PID		93.4 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2324023
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/23	06/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
Surrogate: n-Nonane		85.6 %	50-200	06/14/23	06/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2324030
Chloride	61.0	20.0	1	06/14/23	06/15/23	



QC Summary Data

			-					
	Project Name: Project Number:	23	3052-0001					Reported:
	Project Manager:	A	shley Gioveng	go				6/19/2023 1:33:06PM
	Volatile O	rganics l	by EPA 802	21B				Analyst: IY
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	6/13/23 A	nalyzed: 06/14/23
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
7.26		8.00		90.8	70-130			
						Prepared: 0	6/13/23 A	analyzed: 06/14/23
4.69	0.0250	5.00		93.8	70-130			
4.65	0.0250	5.00		92.9	70-130			
4.80	0.0250	5.00		95.9	70-130			
4.76	0.0250	5.00		95.2	70-130			
9.45	0.0500	10.0		94.5	70-130			
14.2	0.0250	15.0		94.7	70-130			
7.52		8.00		94.0	70-130			
			Source:	E306100-	01	Prepared: 0	6/13/23 A	analyzed: 06/14/23
4.61	0.0250	5.00	ND	92.2	54-133			
4.58	0.0250	5.00	ND	91.6	61-133			
4.71	0.0250	5.00	ND	94.2	61-130			
4.66	0.0250	5.00	ND	93.3	63-131			
9.31	0.0500	10.0	ND	93.1	63-131			
14.0	0.0250	15.0	ND	93.2	63-131			
7.57		8.00		94.7	70-130			
			Source:	E306100-	01	Prepared: 0	6/13/23 A	analyzed: 06/14/23
4.54	0.0250	5.00	ND	90.9	54-133	1.40	20	
4.53	0.0250	5.00	ND	90.6	61-133	1.05	20	
4.65	0.0250	5.00	ND	93.0	61-130	1.23	20	
4.64	0.0250	5.00	ND	92.7	63-131	0.569	20	
9.21	0.0500	10.0	ND	92.1	63-131	1.13	20	
13.8	0.0250	15.0	ND	92.3	63-131	0.945	20	
13.8 7.58	0.0250	15.0 8.00	ND	92.3 94.7	63-131 70-130	0.945	20	
· · · · · · · · · · · · · · · · · · ·	ND ND ND ND ND ND 7.26 4.69 4.65 4.80 4.76 9.45 14.2 7.52 4.61 4.58 4.71 4.66 9.31 14.0 7.57 4.54 4.53 4.65 4.65 4.65 4.65 4.65 4.65	And State Analysis Project Number: Project Manager: Volatile O Result Reporting mg/kg mg/kg ND 0.0250 7.26	Project Number: 2. Project Manager: A Volatile Organics I Result Reporting mg/kg Spike Limit Level mg/kg ND 0.0250	Project Number: Project Manager: 23052-0001 Ashley Giovent Ashley Giovent Surce Volatile Organics by EPA 802 Result mg/kg Reporting Limit Spike Level Source Result ND 0.0250 mg/kg mg/kg 4.69 0.0250 5.00 mg/kg 4.61 0.0250 5.00 mg/kg 4.62 0.0250 5.00 mg/kg 4.61 0.0250 5.00 mg/kg 4.63 0.0250 5.00 mg/kg 4.64 0.0250 5.00 mg/kg 7.57 8.00	Project Number: 23052-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting Spike Source Result mg/kg mg/kg Rec mg/kg mg/kg mg/kg Rec ND 0.0250 mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 S.00 93.8 4.69 0.0250 5.00 92.9 4.80 0.0250 5.00 92.9 4.80 0.0250 5.00 94.0 14.2 0.0250 5.00 94.0 14.2 0.0250 5.00 ND 94.2 4.61 0.0250 5.00 ND 94.0 14.2 0.0250 5.00 ND 94.0 14.2 0.0250 5.00 ND 94.2 </td <td>Josephile 23052-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting mg/kg Spike mg/kg Source Result Rec Rec ND 0.0250 mg/kg mg/kg % % % ND 0.0250 sevent sevent sevent % % ND 0.0250 sevent sevent sevent % % ND 0.0250 sevent sevent sevent sevent % A.69 0.0250 sevent sevent sevent sevent sevent 4.69 0.0250 5.00 9.0.8 70-130 4.40 0.0250 5.00 9.2.9 70-130 4.40 0.0250 5.00 9.2.9 70-130 4.45 0.0250 5.00 9.4.7 70-130 4.46 0.0250 5.00 9.4.7 70-130 9.45 0.0500 10.0 9.4.7</td> <td>Project Number: 23052-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting Limit Spike Level Source Result Rec Limits RPD % Mg/kg mg/kg mg/kg % % % ND 0.0250 mg/kg % % % ND 0.0250 ND 0.0250 ND Prepared: 0 ND 0.0250 ND 0.0250 Prepared: 0 ND 0.0250 ND 0.0250 Prepared: 0 0.0250 S.00 93.8 70-130 Prepared: 0 4.69 0.0250 S.00 95.9 70-130 4.60 0.0250 S.00 95.2 70-130 4.61 0.0250 S.00 94.7 70-130 7.52 8.00 94.0 70-130 Prepared: 0 4.61 0.0250 S.00 ND 91.6 61-133 4.58 0.0250 S.00</td> <td>Project Number: 23052-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting mg/kg Spike mg/kg Source mg/kg Rec % Kec % RPD % RPD % RPD Limit ND 0.0250 mg/kg %6</td>	Josephile 23052-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting mg/kg Spike mg/kg Source Result Rec Rec ND 0.0250 mg/kg mg/kg % % % ND 0.0250 sevent sevent sevent % % ND 0.0250 sevent sevent sevent % % ND 0.0250 sevent sevent sevent sevent % A.69 0.0250 sevent sevent sevent sevent sevent 4.69 0.0250 5.00 9.0.8 70-130 4.40 0.0250 5.00 9.2.9 70-130 4.40 0.0250 5.00 9.2.9 70-130 4.45 0.0250 5.00 9.4.7 70-130 4.46 0.0250 5.00 9.4.7 70-130 9.45 0.0500 10.0 9.4.7	Project Number: 23052-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting Limit Spike Level Source Result Rec Limits RPD % Mg/kg mg/kg mg/kg % % % ND 0.0250 mg/kg % % % ND 0.0250 ND 0.0250 ND Prepared: 0 ND 0.0250 ND 0.0250 Prepared: 0 ND 0.0250 ND 0.0250 Prepared: 0 0.0250 S.00 93.8 70-130 Prepared: 0 4.69 0.0250 S.00 95.9 70-130 4.60 0.0250 S.00 95.2 70-130 4.61 0.0250 S.00 94.7 70-130 7.52 8.00 94.0 70-130 Prepared: 0 4.61 0.0250 S.00 ND 91.6 61-133 4.58 0.0250 S.00	Project Number: 23052-0001 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting mg/kg Spike mg/kg Source mg/kg Rec % Kec % RPD % RPD % RPD Limit ND 0.0250 mg/kg %6



QC Summary Data

		QC D		ily Date	e .				
Matador Production Company 3122 National Parks HWY		Project Name: Project Number:		/ool Head Pad 1 3052-0001	D				Reported:
Carlsbad NM, 88220		Project Manager:	А	shley Gioveng	0				6/19/2023 1:33:06PM
	Noi	nhalogenated C	rganics	by EPA 801	5D - Gl	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2324023-BLK1)							Prepared: 0	6/13/23 A	analyzed: 06/14/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			
LCS (2324023-BS2)							Prepared: 0	6/13/23 A	analyzed: 06/14/23
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			
Matrix Spike (2324023-MS2)				Source: l	E306100-	01	Prepared: 0	6/13/23 A	analyzed: 06/14/23
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	95.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			
Matrix Spike Dup (2324023-MSD2)				Source: l	E306100-	01	Prepared: 0	6/13/23 A	analyzed: 06/14/23
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.5	70-130	4.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



QC Summary Data

		QC D	umm	ary Data					
Matador Production Company 3122 National Parks HWY		Project Name: Project Number:		Wool Head Pad I 23052-0001)				Reported:
Carlsbad NM, 88220		Project Manager:	1	Ashley Giovengo	•				6/19/2023 1:33:06PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- 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 (2324031-BLK1)							Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	34.5		50.0		69.1	50-200			
LCS (2324031-BS1)							Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	38-132			
Surrogate: n-Nonane	39.9		50.0		79.7	50-200			
Matrix Spike (2324031-MS1)				Source: E	306103-	01	Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28)	232	25.0	250	ND	93.0	38-132			
Surrogate: n-Nonane	34.2		50.0		68.4	50-200			
Matrix Spike Dup (2324031-MSD1)				Source: E	306103-	01	Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.9	38-132	0.0430	20	
Surrogate: n-Nonane	36.9		50.0		73.8	50-200			



QC Summary Data

		$\mathbf{x} \in \mathbf{z}$			•				
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	Wool Head Pad I 23052-0001 Ashley Giovengo					Reported: 6/19/2023 1:33:06PM
		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 (2324030-BLK1)							Prepared: 0	6/14/23	Analyzed: 06/14/23
Chloride	ND	20.0							
LCS (2324030-BS1)							Prepared: 0	6/14/23	Analyzed: 06/14/23
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2324030-MS1)				Source: I	E 306103- (01	Prepared: 0	6/14/23	Analyzed: 06/14/23
Chloride	276	20.0	250	23.0	101	80-120			
Matrix Spike Dup (2324030-MSD1)				Source: I	E306103-0	01	Prepared: 0	6/14/23	Analyzed: 06/14/23
Chloride	278	20.0	250	23.0	102	80-120	0.843	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.



_				
	Matador Production Company	Project Name:	Wool Head Pad D	
l	3122 National Parks HWY	Project Number:	23052-0001	Reported:
	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/19/23 13:33

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.



R	
Project Info	rmation
ea	
Se	

Chain of Custody

Page _____ of ____

Received by OCD: 7/13/2023 12:00:15 AM

Project: Wood Head Pad D	EPA Pr	rogram
Address: 3122 National Parks Hwy City, State, Zi _ Analysis and Method City, State, Zi _ Phone:337-319-8398 Analysis and Method Phone: 575-988-0055 Email: clinton.talley@matadorresources.com Analysis and Method Report due by: Image: Sampled bate Sample ID BH06-7' Image: Sampled bate Sample Sample Sample ID	d CWA	SDWA
Address: 3122 National Parks Hwy City, State, Zi _ City, State, Zip Carlsbad, NM 88220 Phone: 337-319-8398 Phone: 575-988-0055 Email: clinton.talley@matadorresources.com Report due by: Date Sampled Matrix No. of containers Sampled Matrix No. of containers Sample ID BH06-7' Image: Sample ID		
Phone: 575-988-0055 Email: agiovengo@ensolum.com Report due by: Time Sampled Date Sampled Matrix No. of Containers Sampled 1325 6/12/2023 C 1325 6/12/2023	10	RCRA
Sampled Matrix Containers Sample ID 1325 6/12/2023 c d		
Sampled Date sampled Matrix Containers Sample ID 1325 6/12/2023 C 4 BH06-7' 1 I	State	
Sampled Date sampled Matrix Containers Sample ID 1325 6/12/2023 C 4 BH06-7' 1 I	O UT AZ	TX
Sampled Date sampled Matrix Containers Sample ID 1325 6/12/2023 C 4 BH06-7' 1 I		
1325 6/12/2023 c 1 BH06-7'	Remarks	
Additional Instructions: Preserved on ice; please cc asiovengo and churton a) onsol	um.	-
(field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, Samples requiring thermal preservation must be received on ice the		
ate or time of collection is considered fraud and may be grounds for legal action. Sampled by: RONA, Hung		
Relinquished by: (Signature) Date Lab Use Only Company Company Lab Use Only Lab Use Only Lab Use Only Date Lab Use Only Michael Company Lab Use Only North C		
Relinquished by: (Signature) Date Time Received by: (Signature) Date Time		
Mill Courals (6-13-2) 1530 Miller miles 6-13-23 1206 T1 T2 T3 Relinquished by: (Signature) Date Time Regived by (Signature) Date I Time		
Moren Millo 6-13-23 2245 auth Mars 1014123 7:35 AVG Temp °C 4		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for th samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.	ne analysis of the	he above
envir		

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Production Company Da	te Received:	06/14/23	07:35	Work Order ID:	E306106
Phone:	(575) 988-0055 Da	te Logged In:	06/13/23	16:35	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com Du	ie Date:	06/20/23	17:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does t	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location match	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample '	<u> Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (Cooler					
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample tem	nperature: 4°	С			
	<u>Container</u>		_			
	queous VOC samples present?		No			
15. Are V	VOC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	a trip blank (TB) included for VOC analyses?		NA			
18. Are r	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	<u>bel</u>					
	field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected? Collectors name?		Yes			
-	Preservation		Yes			
_	the COC or field labels indicate the samples were prese	rved?	No			
	ample(s) correctly preserved?		NA			
	o filteration required and/or requested for dissolved meta	ls?	No			
	ase Sample Matrix		110			
	the sample waterix than one phase, i.e., multiphase?		Na			
	s, does the COC specify which phase(s) is to be analyzed	19	No Na			
		11	NA			
-	ract Laboratory					
28. Are s	amples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: NA		

e

Date

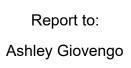
envirotech Inc.

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

Page _____ of ____

Proje	ect In	formation					Chai	n of Custo	dy										Р	Pag
Proj Proj	ject: 🕇 ject M	atador Prod Wood Head anager: Ash 3122 Natio	Pad D nley Giove	engo		Attention: Mata Address: On File City, State, Zi	Bill To ador Production (20	Lab WO	#	0 =	230	umber	100	1D	2D	TA 3D	T Standard x	EPA P CWA	Proj
<u>City</u> Pho Ema	, State	e, Zip Carlst 75-988-005 iovengo@e	oad, NM i 5	88220		Phone: 337-319- Email: clinton.talle	March 1997		TPH GRO/DRO/ORO by 8015	y 8021			Chloride 300.0		MM		ТX		State D UT AZ	F
Sam	npied	Date Sampled	Matrix,	No. of Containers	Sample ID :		× 7	Lab Number	TPH G	BTEX by 802	VOC by 8260	Metals 6010	Chloric	1	BGDOC	1	GDOC		Remarks	;
13	325	6/12/2023	S	1	1	BH06-7'	And the second								x					
								12.2								A		-		
							E.													
								ALC: NO												
				11-4				55.5												
			No.					1.1											1.00	
								2121											9.4	
						and the second														
Add	litiona	I Instructio	ns: Rr	eser	rvedon	ab resu	ase co	451	over	50	a	nd	ch	ur	for	7.6	3	onsoli	im	
I, (fiel	ld samp	ler), attest to th	e validity and	d authentici	ty of this sample. I am	ware that tampering with o	r intentionally mislabell ed by: Roith, H	ing the sampl	e location,	1	5	amples	equiring th	iermal p	reservati	tion mu	st be red	ceived on ice the da	sy they are samp	pled
	Construction of the second second	d by: (Signatur		Date	v be grounds for legal a -13-23 Time 100	Received by: (Sig		Dave -13		200			ved on		La		e On		and and and a	
Relin	iquishe MUU	d'by: (Signatur	inals	- G	(3-2) Time 153	C Received by: (Sig	nature) MVG20	Date 6-13.	23 1	200		Г1			<u>T2</u>			<u>T3</u>		
Relin		d by: (Signatur W U	1 ildo	Date 6-	13-23 22	45 aith	Man	Date 14/4	13 T.	35	5	AVG T	emp °	L	1_					
Note	: Samp	ix: S - Soil, Sd - S les are discard	ed 30 days	after resu	Its are reported unles	s other arrangements are	e made. Hazardous s	Container amples will	be returne	d to cl	ient or	dispos	ed of at						analysis of	the
Isamp	JIE2 12 9	pplicable only	to those sa	imples rec	eived by the laborato	ry with this COC. The liab	inty of the laboratory	is imited to	the amou	int pai	u tor oi	the r	eport.		****			/ir		

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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:

Wool Head Pad D

Work Order: E306103

Job Number: 23052-0001

Received: 6/14/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/19/23

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: 6/19/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Wool Head Pad D Workorder: E306103 Date Received: 6/14/2023 7:35:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/14/2023 7:35:00AM, under the Project Name: Wool Head Pad D.

The analytical test results summarized in this report with the Project Name: Wool Head Pad D 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

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

Released to Imaging: 10/3/2023 8:15:22 AM

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

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

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Sample Summary

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Matador Production Company					
3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	Wool Head Pad D 23052-0001 Ashley Giovengo		Reported: 06/19/23 14:39
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02 - 0'	E306103-01A	Soil	06/12/23	06/14/23	Glass Jar, 2 oz.
SS03 - 0'	E306103-02A	Soil	06/12/23	06/14/23	Glass Jar, 2 oz.
SS05A - 0'	E306103-03A	Soil	06/12/23	06/14/23	Glass Jar, 2 oz.
SS06B - 0.5'	E306103-04A	Soil	06/12/23	06/14/23	Glass Jar, 2 oz.



	Si	ample D	ala			
Matador Production Company	Project Name:		ol Head Pad D			D (1
3122 National Parks HWY	Project Number		52-0001		Reported: 6/19/2023 2:39:45PM	
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			6/19/2023 2:39:43PN
		SS02 - 0'				
		E306103-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: IY		Batch: 2324023
Benzene	ND	0.0250	1	06/14/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/14/23	06/14/23	
Toluene	ND	0.0250	1	06/14/23	06/14/23	
p-Xylene	ND	0.0250	1	06/14/23	06/14/23	
o,m-Xylene	ND	0.0500	1	06/14/23	06/14/23	
Fotal Xylenes	ND	0.0250	1	06/14/23	06/14/23	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: IY		Batch: 2324023
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/23	06/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
Surrogate: n-Nonane		87.3 %	50-200	06/14/23	06/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: BA		Batch: 2324030
Chloride	23.0	20.0	1	06/14/23	06/14/23	



		ample D	ata			
Matador Production Company	Project Name:	: Woo	l Head Pad D			
3122 National Parks HWY	Project Numb	er: 2303	52-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			6/19/2023 2:39:45PM
		SS03 - 0'				
		E306103-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY	Batch: 2324023	
Benzene	ND	0.0250	1	06/14/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/14/23	06/14/23	
Toluene	ND	0.0250	1	06/14/23	06/14/23	
o-Xylene	ND	0.0250	1	06/14/23	06/14/23	
o,m-Xylene	ND	0.0500	1	06/14/23	06/14/23	
Total Xylenes	ND	0.0250	1	06/14/23	06/14/23	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2324023
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/23	06/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
Surrogate: n-Nonane		82.5 %	50-200	06/14/23	06/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2324030
Chloride	65.0	20.0	1	06/14/23	06/14/23	



	D.	ample D	ata			
3122 National Parks HWY	Project Name: Project Numb Project Manag	er: 2303	ol Head Pad D 52-0001 ley Giovengo			Reported: 6/19/2023 2:39:45PM
		SS05A - 0'				
		E306103-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2324023
Benzene	ND	0.0250	1	06/14/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/14/23	06/14/23	
Foluene	ND	0.0250	1	06/14/23	06/14/23	
p-Xylene	ND	0.0250	1	06/14/23	06/14/23	
o,m-Xylene	ND	0.0500	1	06/14/23	06/14/23	
Fotal Xylenes	ND	0.0250	1	06/14/23	06/14/23	
Surrogate: 4-Bromochlorobenzene-PID		94.1 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2324023
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/23	06/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
Surrogate: n-Nonane		86.8 %	50-200	06/14/23	06/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2324030
Chloride	30.2	20.0	1	06/14/23	06/14/23	



	D	ampic D	ala			
Matador Production Company 3122 National Parks HWY	Project Name: Project Numb	er: 230	bl Head Pad D 52-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			6/19/2023 2:39:45PM
	S	SS06B - 0.5'				
		E306103-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2324023
Benzene	ND	0.0250	1	06/14/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/14/23	06/14/23	
Toluene	ND	0.0250	1	06/14/23	06/14/23	
p-Xylene	ND	0.0250	1	06/14/23	06/14/23	
o,m-Xylene	ND	0.0500	1	06/14/23	06/14/23	
Fotal Xylenes	ND	0.0250	1	06/14/23	06/14/23	
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2324023
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/23	06/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	81.0	25.0	1	06/14/23	06/15/23	
Dil Range Organics (C28-C36)	88.5	50.0	1	06/14/23	06/15/23	
Surrogate: n-Nonane		95.0 %	50-200	06/14/23	06/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2324030
Chloride	269	20.0	1	06/14/23	06/15/23	



QC Summary Data

		•		v					
Matador Production Company		Project Name:	W	ool Head Pad	D				Reported:
3122 National Parks HWY		Project Number:	23	8052-0001					
Carlsbad NM, 88220		Project Manager:	As	shley Gioveng	go				6/19/2023 2:39:45PM
		Volatile Or	rganics b	oy EPA 802	21B				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 (2324023-BLK1)							Prepared: 0	6/13/23 A	Analyzed: 06/14/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.8	70-130			
LCS (2324023-BS1)							Prepared: 0	6/13/23 A	Analyzed: 06/14/23
Benzene	4.69	0.0250	5.00		93.8	70-130			
Ethylbenzene	4.65	0.0250	5.00		92.9	70-130			
Toluene	4.80	0.0250	5.00		95.9	70-130			
o-Xylene	4.76	0.0250	5.00		95.2	70-130			
o,m-Xylene	9.45	0.0500	10.0		94.5	70-130			
Total Xylenes	14.2	0.0250	15.0		94.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			
Matrix Spike (2324023-MS1)				Source:	E306100-(01	Prepared: 0	6/13/23 A	Analyzed: 06/14/23
Benzene	4.61	0.0250	5.00	ND	92.2	54-133			
Ethylbenzene	4.58	0.0250	5.00	ND	91.6	61-133			
Toluene	4.71	0.0250	5.00	ND	94.2	61-130			
p-Xylene	4.66	0.0250	5.00	ND	93.3	63-131			
o,m-Xylene	9.31	0.0500	10.0	ND	93.1	63-131			
Total Xylenes	7.57	0.0250	15.0 8.00	ND	93.2 94.7	63-131 70-130			
Surrogate: 4-Bromochlorobenzene-PID	1.57		0.00						
Matrix Spike Dup (2324023-MSD1)					E306100-		-		Analyzed: 06/14/23
Benzene	4.54	0.0250	5.00	ND	90.9	54-133	1.40	20	
Ethylbenzene	4.53	0.0250	5.00	ND	90.6	61-133	1.05	20	
Foluene	4.65	0.0250	5.00	ND	93.0	61-130	1.23	20	
	4.64	0.0250	5.00	ND	92.7	63-131	0.569	20	
o-Xylene			10.0	ND	02.1	(2.12)	1.10	20	
p-Xylene p,m-Xylene Total Xylenes	9.21 13.8	0.0500 0.0250	10.0 15.0	ND ND	92.1 92.3	63-131 63-131	1.13 0.945	20 20	



QC Summary Data

		QC D	umme	ii y Data	4				
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	23	Vool Head Pad 3052-0001 shley Gioveng					Reported: 6/19/2023 2:39:45PM
	Noi	nhalogenated (, ,		RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2324023-BLK1)							Prepared: 0	6/13/23 A	nalyzed: 06/14/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			
LCS (2324023-BS2)							Prepared: 0	6/13/23 A	nalyzed: 06/14/23
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			
Matrix Spike (2324023-MS2)				Source:	E306100-(01	Prepared: 0	6/13/23 A	nalyzed: 06/14/23
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	95.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			
Matrix Spike Dup (2324023-MSD2)				Source:	E306100-(01	Prepared: 0	6/13/23 A	nalyzed: 06/14/23
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.5	70-130	4.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



QC Summary Data

		QC D	umm	ary Data					
Matador Production Company 3122 National Parks HWY		Project Name: Project Number:		Wool Head Pad E 23052-0001)				Reported:
Carlsbad NM, 88220		Project Manager:	1	Ashley Giovengo	•				6/19/2023 2:39:45PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- 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 (2324031-BLK1)							Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	34.5		50.0		69.1	50-200			
LCS (2324031-BS1)							Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	38-132			
Surrogate: n-Nonane	39.9		50.0		79.7	50-200			
Matrix Spike (2324031-MS1)				Source: E	306103-	01	Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28)	232	25.0	250	ND	93.0	38-132			
Surrogate: n-Nonane	34.2		50.0		68.4	50-200			
Matrix Spike Dup (2324031-MSD1)				Source: E	306103-	01	Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.9	38-132	0.0430	20	
Surrogate: n-Nonane	36.9		50.0		73.8	50-200			



QC Summary Data

				-					
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager	2	Wool Head Pad 3052-0001 Ashley Gioveng					Reported: 6/19/2023 2:39:45I
		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 (2324030-BLK1)							Prepared: 0	6/14/23	Analyzed: 06/14/23
Chloride	ND	20.0							
LCS (2324030-BS1)							Prepared: 0	6/14/23	Analyzed: 06/14/23
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2324030-MS1)				Source:	E306103-()1	Prepared: 0	6/14/23	Analyzed: 06/14/23
Chloride	276	20.0	250	23.0	101	80-120			
Matrix Spike Dup (2324030-MSD1)				Source:	E306103-()1	Prepared: 0	6/14/23	Analyzed: 06/14/23
Chloride	278	20.0	250	23.0	102	80-120	0.843	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.



Matador Production Company	Project Name:	Wool Head Pad D	
3122 National Parks HWY	Project Number:	23052-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/19/23 14:39

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.



Releas

Chain of Custody

Page _____ of __

Received by OCD: 7/13/2023 12:00:15 AM

	latador Prod		ompany		5 800	Bill To				Lab Use Only							TA			ogram	
	Wood Head					the second s	ador Production C	0	Lab V	NO#	- 2		Num			2D	3D		ndard	CWA	SDWA
	Manager: Ash 3122 Natio					Address: On File								2-000		-	1		x		RCRA
	te, Zip Carlst					<u>City, State, Zi</u> Phone: 337-319-8398					T	Anal	ysis ai	nd Metho		T					NCNA
	575-988-005		UULLU			Email: clinton.talley@matadorresources.com				ROB									- Andrews	State	
	giovengo@e		com			ani chintoni dine	Veniacudorresoc	1003.0011		0/0	_		0.		WN			N	M CO	UT AZ	TX
Report d	lue by:									D/DR	802	010	300				TX		A		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
1525	6/12/2023	S	1			SS02-0'		1							x						
1530	6/12/2023	S	1			SS03-0'		2							x						
1535	6/12/2023	S	1			SS05A-0'		3		•					x						
1540	6/12/2023	S	1			SS06B-0.5'		4							x						
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				1																	
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ddition	al Instruction	ns: Sra	eser	red	on ic b res	e ts	ase cc	agi	ov e	ns	0	20	d	clour	to	no	D.e	ns	olu	m .0	om
(field sam) ate or time	pler), attest to the of collection is co	e validity an onsidered f	d authentici	ty of this sampl	e. I am aware th	at tampering with or Sample	intentionally mislabell	ing the samp	ole locati	on,		Samp	oles requi		preserv	ation m	ust be re	eceived on	ice the day	they are sampl	
	ed by: (Signatur			13.23	ime 1000	Received by: (Sigr	Canb	Date 6-13-	23		GC	Rec	eivec	l on ice:		ab U	se On I	nly			
elinquishe	ed by: (Signatur	ixules	Date		530	Received by: (Sign	Mature)	Date 6-13	-25	170	0	<u>T1</u>			<u>T2</u>			<u>T</u>	3		
AN	ed by: (Signatur	Milso	Date	13-23	2245	Received by: Sign	Man	Date 0/14/2	23	7:2	39		G Ten	1	t						
and the second second	rix: S - Soil, Sd - So					-		Containe													
							made. Hazardous								lient e	expens	se. Th	e report	t for the a	analysis of t	he above
imples is	applicable only	to those s	ampies rece	erved by the la	aboratory with	this COC. The liab	ility of the laboratory	is limited t	to the a	mount	paid f	or on th	le repo			-		-			in the second
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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

	Matador Production Company Da	ate Received:	06/14/23	07:35	Work Order ID:	E306103
Phone:	(575) 988-0055 Da	ate Logged In:	06/13/23	16:25	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com Du	le Date:	06/20/23	17:00 (4 day TAT)		
<u>Chain o</u>	of Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>					
6. Did th	he COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was the	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	es, were custody/security seals intact?		NA			
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling	,	Yes			
13. If no	visible ice, record the temperature. Actual sample ter	nperature: 4%	С			
	<u>Container</u>	I				
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	he head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (IB) included for VOC analyses?		NA			
17. Was	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?		NA Yes			
17. Was 18. Are 1	a trip blank (1B) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers	collected?				
17. Was 18. Are 1	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers	collected?	Yes			
 17. Was 18. Are 1 19. Is the Field La 	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers		Yes			
 Was Are 1 Are 1 Is the Field La Were 	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID?		Yes			
17. Was 18. Are 1 19. Is the Field La 20. Were	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?		Yes Yes			
17. Was 18. Are 1 19. Is the Field La 20. Were	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?		Yes Yes Yes			
17. Was 18. Are a 19. Is the Field La 20. Were Sample	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	ation:	Yes Yes Yes Yes Yes			
17. Was 18. Are a 19. Is the Field La 20. Were 3 0 0 5 5 0 0 5 5 0 0 0 5 5 0 0 0 5 10 0 0 0	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese	ation:	Yes Yes Yes Yes No			
17. Was 18. Are 1 19. Is the Field La 20. Were 20. Were 21. Does 22. Are 2	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved?	ation: erved?	Yes Yes Yes Yes No NA			
17. Was 18. Are 1 19. Is the Field La 20. Were 20. Were 21. Does 22. Are 2 24. Is lat	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	ation: erved?	Yes Yes Yes Yes No			
17. Was 18. Are 1 19. Is the Field La 20. Were 20. Were 21. Does 22. Are 2 24. Is lat Multiph	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta mase Sample Matrix	ation: erved? ıls?	Yes Yes Yes Yes No NA No			
17. Was 18. Are 1 19. Is the Field La 20. Were 20. Were 21. Does 22. Are 2 24. Is lat Multiph 26. Does	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>hase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase?	ation: erved? ıls?	Yes Yes Yes Yes No NA No			
17. Was 18. Are 1 19. Is the Field La 20. Were 20. Were 21. Does 22. Are 2 24. Is lal Multiph 26. Does 27. If ye	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>hase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyzed	ation: erved? ıls?	Yes Yes Yes Yes No NA No			
17. Was 18. Are 1 19. Is the Field La 20. Were 20. Were 21. Does 22. Are 2 24. Is lat Multiph 26. Does 27. If ye	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>hase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyzed <u>tract Laboratory</u>	ation: erved? Ils? d?	Yes Yes Yes Yes No NA No No			
17. Was 18. Are 1 19. Is the Field La 20. Were 20. Were 21. Does 22. Are 5 24. Is lat <u>Multiph</u> 26. Does 27. If ye <u>Subcont</u> 28. Are 5	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>hase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyzed	ation: erved? ils? d?	Yes Yes Yes Yes No NA No			

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



•

Corrected Project name per C. Burton 4/19/23 CM

Address: On File

SS02-0'

SS03-0'

SS05A-0'

SS06B-0.5'

Phone: 337-319-8398

City, State, Zi

Project Information

Client: Matador Production Company

Project Manager: Ashley Giovengo

Address: 3122 National Parks Hwy

City, State, Zip Carlsbad, NM 88220

Email: agiovengo@ensolum.com

Date Sampled

6/12/2023

6/12/2023

6/12/2023

6/12/2023

Relinquished by: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

No. of

Containers

1

1

1

1

Sample ID

on

1000

1530

1, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabellin

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous sam samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is

Matrix

S

S

S

S

Additional Instructions: Sreserved

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

date or time of collection is considered fraud and may be grounds for legal action.

Date

Date

Date

6-13-23

6-13:23

Project: Wood Head Pad D

Phone: 575-988-0055

Report due by: Time

Sampled

1525

1530

1535

1540

Chain o

Bill To

Attention: Matador Production Co

Email: clinton.talley@matadorresource

lease

Sampled by:

(Signature

S

Received by: (Signature)

Rec

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Lab umber		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	1 . 1		BGDOC		GDOC			Remarks			
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oles will	be ret	turned	d to cl	lient o	or disp	osed	of at t	the cli	ient e	xpens	e. Th	e rep	ort for the a	analysis of t	he above		

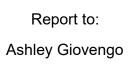
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Konn, Hay





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:

Wool Head Pad D

Work Order: E306104

Job Number: 23052-0001

Received: 6/14/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/19/23

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: 6/19/23

Ashley Giovengo 3122 National Parks HWY Carlsbad, NM 88220

Project Name: Wool Head Pad D Workorder: E306104 Date Received: 6/14/2023 7:35:00AM

Ashley Giovengo,



Page 180 of 197

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/14/2023 7:35:00AM, under the Project Name: Wool Head Pad D.

The analytical test results summarized in this report with the Project Name: Wool Head Pad D 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

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

Released to Imaging: 10/3/2023 8:15:22 AM

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

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

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Sample Summary

		Sample Sum	mai y		
Matador Production Company		Project Name:	Wool Head Pad D		Donoutoda
3122 National Parks HWY		Project Number:	23052-0001		Reported:
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		06/19/23 13:31
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 - 4'	E306104-01A	Soil	06/12/23	06/14/23	Glass Jar, 2 oz.
BH06 - 6'	E306104-02A	Soil	06/12/23	06/14/23	Glass Jar, 2 oz.
BH07 - 10'	E306104-03A	Soil	06/12/23	06/14/23	Glass Jar, 2 oz.



	Di	ample D	ala			
Matador Production Company	Project Name:	Woo	ol Head Pad D			
3122 National Parks HWY	Project Numbe	er: 230	52-0001			Reported:
Carlsbad NM, 88220	Project Manag	er: Ash	ley Giovengo			6/19/2023 1:31:33PM
		BH05 - 4'				
		E306104-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2324023
Benzene	ND	0.0250	1	06/14/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/14/23	06/14/23	
Toluene	ND	0.0250	1	06/14/23	06/14/23	
p-Xylene	ND	0.0250	1	06/14/23	06/14/23	
o,m-Xylene	ND	0.0500	1	06/14/23	06/14/23	
Fotal Xylenes	ND	0.0250	1	06/14/23	06/14/23	
Surrogate: 4-Bromochlorobenzene-PID		93.1 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2324023
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/23	06/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	29.7	25.0	1	06/14/23	06/15/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
Surrogate: n-Nonane		98.1 %	50-200	06/14/23	06/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2324030
Chloride	1410	20.0	1	06/14/23	06/15/23	

Sample Data



Sample Data

	6	ample D	ala			
Matador Production Company	Project Name	: Woo	ol Head Pad D			
3122 National Parks HWY	Project Numb	per: 230	52-0001			Reported:
Carlsbad NM, 88220	Project Mana	ger: Ash	ley Giovengo			6/19/2023 1:31:33PM
		BH06 - 6'				
		E306104-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2324023
Benzene	ND	0.0250	1	06/14/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/14/23	06/14/23	
Toluene	ND	0.0250	1	06/14/23	06/14/23	
p-Xylene	ND	0.0250	1	06/14/23	06/14/23	
o,m-Xylene	ND	0.0500	1	06/14/23	06/14/23	
Fotal Xylenes	ND	0.0250	1	06/14/23	06/14/23	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2324023
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/23	06/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
Surrogate: n-Nonane		104 %	50-200	06/14/23	06/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2324030
Chloride	208	20.0	1	06/14/23	06/15/23	



	5	ample D	ala			
Matador Production Company	Project Name	: Woo	ol Head Pad D			
3122 National Parks HWY	Project Numb	er: 230	52-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			6/19/2023 1:31:33PM
		BH07 - 10'				
		E306104-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2324023
Benzene	ND	0.0250	1	06/14/23	06/14/23	
Ethylbenzene	ND	0.0250	1	06/14/23	06/14/23	
Foluene	ND	0.0250	1	06/14/23	06/14/23	
p-Xylene	ND	0.0250	1	06/14/23	06/14/23	
o,m-Xylene	ND	0.0500	1	06/14/23	06/14/23	
Fotal Xylenes	ND	0.0250	1	06/14/23	06/14/23	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2324023
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/23	06/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	06/14/23	06/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2324031
Diesel Range Organics (C10-C28)	ND	25.0	1	06/14/23	06/15/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/14/23	06/15/23	
Surrogate: n-Nonane		102 %	50-200	06/14/23	06/15/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2324030
Chloride	ND	20.0	1	06/14/23	06/15/23	



QC Summary Data

3				Reported:
3				(10/2022 1 21 220)
3				6/19/2023 1:31:33PM
				Analyst: IY
Rec	Rec Limits	RPD	RPD Limit	
%	%	%	%	Notes
		Prepared: 0	6/13/23 A	analyzed: 06/14/23
90.8	70-130			
		Prepared: 00	6/13/23 A	analyzed: 06/14/23
93.8	70-130			
92.9	70-130			
95.9	70-130			
95.2	70-130			
94.5	70-130			
94.7	70-130			
94.0	70-130			
06100-01	l	Prepared: 00	6/13/23 A	analyzed: 06/14/23
92.2	54-133			
91.6	61-133			
94.2	61-130			
93.3	63-131			
93.1	63-131			
93.2	63-131			
94.7	70-130			
06100-01	l	Prepared: 0	6/13/23 A	analyzed: 06/14/23
90.9	54-133	1.40	20	
90.6	61-133	1.05	20	
93.0	61-130	1.23	20	
92.7	63-131	0.569	20	
92.1	63-131	1.13	20	
92.3	63-131	0.945	20	
92.3 94.7	63-131 70-130	0.945	20	
	Rec % 90.8 93.8 92.9 95.2 94.5 94.7 94.0 06100-01 92.2 91.6 94.2 93.3 93.1 93.2 94.7 06100-01 93.3 93.2 94.7 06100-01 90.9 90.9 90.9 90.9 90.9 90.9 92.2 91.6 92.2 91.6 93.1 93.2 92.7 92.1 92.3	Rec Pace Rec Limits % 90.8 70-130 90.8 70-130 93.8 70-130 92.9 70-130 95.2 70-130 94.7 70-130 94.7 70-130 93.8 63-131 93.4 63-131 93.4 63-131 93.5 63-131 94.7 70-130 94.7 70-130 94.7 70-130 94.7 70-130 93.0 63-131 93.1 63-131 93.2 63-131 93.3 63-131 93.4 63-131 93.2 63-131 93.3 63-131 93.4 63-131 93.0 61-133 93.0 61-133 93.0 61-133 93.0 61-133 93.0 61-133 93.0 61-133 93.0 61-133 <t< td=""><td>Rec Rec Rec RPD % % % % % % % % % % % % % % % % % Prepared: 00 90.8 70-130 Prepared: 00 93.8 70-130 Prepared: 00 95.2 70-130 9 94.7 70-130 Prepared: 00 92.2 54-133 9 91.6 61-133 9 93.3 63-131 9 93.3 63-131 9 93.1 63-131 9 93.2 63-131 9 94.7 70-130 9 90.9 54-133 1.40 90.9 54-133 1.23 93.0 61-133 9.23 90.4 1.23 9.3 92.7 63-131 1.05 93.0 61-133 1.13 <td>Rec Prec Rec Limits RPD N RPD Limit % % % % % % % % % % % % % % % % % % 9% % % % % % % % 9% % % % % % % % % 9% % % % % % % % 90.8 70-130 Prepared: 06/13/23 %</td></td></t<>	Rec Rec Rec RPD % % % % % % % % % % % % % % % % % Prepared: 00 90.8 70-130 Prepared: 00 93.8 70-130 Prepared: 00 95.2 70-130 9 94.7 70-130 Prepared: 00 92.2 54-133 9 91.6 61-133 9 93.3 63-131 9 93.3 63-131 9 93.1 63-131 9 93.2 63-131 9 94.7 70-130 9 90.9 54-133 1.40 90.9 54-133 1.23 93.0 61-133 9.23 90.4 1.23 9.3 92.7 63-131 1.05 93.0 61-133 1.13 <td>Rec Prec Rec Limits RPD N RPD Limit % % % % % % % % % % % % % % % % % % 9% % % % % % % % 9% % % % % % % % % 9% % % % % % % % 90.8 70-130 Prepared: 06/13/23 %</td>	Rec Prec Rec Limits RPD N RPD Limit % % % % % % % % % % % % % % % % % % 9% % % % % % % % 9% % % % % % % % % 9% % % % % % % % 90.8 70-130 Prepared: 06/13/23 %



QC Summary Data

		QC D	umma	in y Data	а				
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	23	ool Head Pad 052-0001 shley Gioveng					Reported: 6/19/2023 1:31:33PM
	Noi	nhalogenated C		, ,	·	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2324023-BLK1)							Prepared: 0	6/13/23 A	nalyzed: 06/14/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			
LCS (2324023-BS2)							Prepared: 0	6/13/23 A	nalyzed: 06/14/23
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			
Matrix Spike (2324023-MS2)				Source:	E306100-(01	Prepared: 0	6/13/23 A	nalyzed: 06/14/23
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	95.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			
Matrix Spike Dup (2324023-MSD2)				Source:	E306100-(01	Prepared: 0	6/13/23 A	nalyzed: 06/14/23
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.5	70-130	4.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



QC Summary Data

		QC D	u 111 111	ary Data					
Matador Production Company 3122 National Parks HWY Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	Wool Head Pad E 23052-0001 Ashley Giovengo					Reported: 6/19/2023 1:31:33PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2324031-BLK1)							Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	34.5		50.0		69.1	50-200			
LCS (2324031-BS1)							Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	38-132			
Surrogate: n-Nonane	39.9		50.0		79.7	50-200			
Matrix Spike (2324031-MS1)				Source: E	306103-	01	Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28)	232	25.0	250	ND	93.0	38-132			
Surrogate: n-Nonane	34.2		50.0		68.4	50-200			
Matrix Spike Dup (2324031-MSD1)				Source: E	306103-	01	Prepared: 0	6/14/23 A	analyzed: 06/14/23
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.9	38-132	0.0430	20	
Surrogate: n-Nonane	36.9		50.0		73.8	50-200			



QC Summary Data

	$\chi \sim 2$			-				
	Project Name: Project Number:	2	3052-0001					Reported: 6/19/2023 1:31:33PM
	, ,		, ,					0/17/2023 1.31.33FW
	Anions	by EPA	300.0/9056A	1				Analyst: BA
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	6/14/23 A	Analyzed: 06/14/23
ND	20.0							
						Prepared: 0	6/14/23 A	Analyzed: 06/14/23
256	20.0	250		102	90-110			
			Source:	E306103-0	01	Prepared: 0	6/14/23 A	Analyzed: 06/14/23
276	20.0	250	23.0	101	80-120			
			Source:	E306103-(01	Prepared: 0	6/14/23 A	Analyzed: 06/14/23
278	20.0	250	23.0	102	80-120	0.843	20	
-	mg/kg ND 256 276	Project Name: Project Number: Project Manager: Anions Result mg/kg ND 256 20.0 276 20.0	Project Name: N Project Number: 2 Project Manager: 2 Anions by EPA Result Reporting mg/kg ND 20.0 256 20.0 250 276 20.0 250	Project Name: Wool Head Pad Project Number: 23052-0001 Project Manager: Ashley Gioveng Anions by EPA 300.0/9056A Result Reporting Spike Source Result mg/kg mg/kg mg/kg ND 20.0 250 Source: 276 20.0 250 Source: Source: 23.0 Source: Source:	Project Name: Wool Head Pad D Project Number: 23052-0001 Project Manager: Ashley Giovengo Anions by EPA 300.0/9056A Result Result Limit Level mg/kg mg/kg mg/kg % ND 20.0 250 102 256 20.0 250 102 276 20.0 250 101 Source: E306103-4 Source: E306103-4	Vool Head Pad D Project Name: Wool Head Pad D Project Number: 23052-0001 Project Manager: Ashley Giovengo Anions by EPA 300.0/9056A Result Limit Reporting Level Result Result Result Rec Limits mg/kg mg/kg mg/kg mg/kg % % ND 20.0 250 102 90-110 Source: E306103-01 20.0 20.0 23.0 101 80-120 276 20.0 250 23.0 101 80-120	Vool Head Pad D 23052-0001 Project Number: 23052-0001 Project Manager: Ashley GiovengoAnions by EPA 300.0/9056AResult Anions by EPA 300.0/9056AResultReporting LimitSpike LevelSource Result ResultRec %NPD %MD20.0Prepared: 0ND20.0Prepared: 0ND20.0Prepared: 025620.025010290-11027620.025023.010180-120Source: E306103-01Prepared: 0Prepared: 0Source: E306103-01Prepared: 0Prepared: 0Source: E306103-01Prepared: 0Prepared: 0Source: E306103-01Prepared: 0Prepared: 0Prepared: 0Prepared: 0Prepared: 0Source: E306103-01Prepared: 0Prepared: 0 <th< td=""><td>Vool Head Pad D 23052-0001 Project Number: 23052-0001 Project Manager: Ashley GiovengoAnions by EPA 300.0/9056AResult Anions by EPA 300.0/9056AResultReporting LevelSpike ResultSource RecRec LimitsRPD KModelSpike Mg/kgSource mg/kgRec mg/kgRec %Kep %RPD %ND20.0Prepared: 06/14/23Prepared: 06/14/23Prepared: 06/14/23Prepared: 06/14/23ND20.0Source: E306103-01Prepared: 06/14/23Prepared: 06/14/2327620.025023.010180-120Source: E306103-01Prepared: 06/14/23</br></br></br></br></br></td></th<>	Vool Head Pad D 23052-0001 Project Number: 23052-0001 Project Manager: Ashley GiovengoAnions by EPA 300.0/9056AResult Anions by EPA 300.0/9056AResultReporting LevelSpike ResultSource RecRec LimitsRPD KModelSpike Mg/kgSource

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.



_				
	Matador Production Company	Project Name:	Wool Head Pad D	
l	3122 National Parks HWY	Project Number:	23052-0001	Reported:
	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	06/19/23 13:31

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Reproject Information

Chain of Custody

Page _____ of ____

Received by OCD: 7/13/2023 12:00:15 AM

	Matador Prod		ompany		18	Bill To			1		ab Us	se On						AT		Program
	Wood Head					Attention: Matador Product	ion Co	Lab	WO#	10	,1	Job I				2D	3D	Standar	d CWA	SDWA
	Manager: Ash				10.0	Address: On File		E.	300	010				2-0001				X		
	: 3122 Natio					<u>City, State, Zi</u>		-				Analy	sis ai	nd Metho	bd	-	-		-	RCRA
	te, Zip Carls		88220			Phone: 337-319-8398			(q O									ALC: NOT THE REAL PROPERTY.		
	575-988-005				1	Email: clinton.talley@matadorr	esources.com		/OR						-	-		- In all	State	-
Report	agiovengo@e	ensolum.c	Lom						DRO	021	60	10	00.00	a più	MN		¥		O UT A	ZTX
			1				Lab		RO/	by 8	y 82	s 60	de 3		10			A		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remark	s
1230	6/12/2023	S	1			BH05-4'	1				-	-	0		x					
1320	6/12/2023	S	1			BH06-6'	2								x					
1100	6/12/2023	S	1			BH07-10'	3								x					
		-																		
																		-		
							10					4								
		-								-					-					
										1					-	-	-			
																-				
dditio	nal Instructio	ns: Pr	eser	-ved	oni	ce; please cc	agio	le,	ng c	2 0	1	d	ck	purt	00	2	er	isolu	m . (om
(field sar	mpler), attest to th	ne validity ar	nd authentici	rescul ty of this sampl	+S e. I am awa	are that tampering with or intentionally mis	labelling the samp	le loca	ition,		-	Sample	s requi	ring thermal	preserva	ation mu	ust be re	ceived on ice the	day they are san	pled or
ate or tin	ne of collection is a	considered f	fraud and ma	y be grounds fo	or legal action	on. Sampled by: MM	1	_		-		receive	d pack	ed in ice at an				less than 6 °C on :	ubsequent days.	
1	hed by; (Signatu		Date 6	144	me 1000	Received by: (Signature)	- 613-2	3	Time 16	00		Rece	ived	l on ice:		$\frac{ab}{V}$	se On I	lly		
	hed by: (Sigpatu ULLL CL		Date	1322 I	570	Received by: (Signature)	Date 6.13	3	Time	200		<u>T1</u>			T2			<u>T3</u>		
	hed by: (Signatu		Date 6		224	Received by: (pignature)	- 10/14/	13	Time 7	3:	5	AVG	Tem	D° qr	4					
ample M	atrix: S - Soil, Sd - S	Solid, Sg - Sh	udge, A - Aqu	ieous, O - Other		- mar inde	Containe	г Тур	e:g-g	glass,				Sector a sector	ber gl	ass, v	- VO	4		A ANA ANA
Note: Sar	nples are discare	ded 30 day	s after resu	Its are reporte	ed unless o	other arrangements are made. Hazard	lous samples will	be re	turned	to cli	ient o	r disp	osed	of at the c					ne analysis of	the above
amples i	s applicable only	y to those s	samples rec	eived by the la	aboratory	with this COC. The liability of the labor	atory is limited t	o the	amour	nt paic	d for a	on the	геро	rt.						

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Matador Production Company	Date Received:	06/14/23	07:35	Work Order ID:	E306104
Phone:	(575) 988-0055 I	Date Logged In:	06/13/23	16:29	Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	06/20/23	17:00 (4 day TAT)		
Chain o	<u>f Custody (COC)</u>					
1. Does	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	n the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was tl	he COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion		Yes		Commen	ts/Resolution
Sample	<u>Turn Around Time (TAT)</u>					
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	a sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are r		Yes			
13 Ifno	minutes of sampling visible ice, record the temperature. Actual sample te	moerature 4 ^c	'n			
	Container	<u> </u>	<u> </u>			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	e appropriate volume/weight or number of sample container	rs collected?	Yes			
Field La						
	e field sample labels filled out with the minimum inform	nation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
	Collectors name?		Yes			
	Preservation	10				
	s the COC or field labels indicate the samples were pres	served?	No			
	sample(s) correctly preserved?	ta1a9	NA			
	b filteration required and/or requested for dissolved me	tais?	No			
	nase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase		No			
	a = da = a + b = COC and $a = b + a + b + a + b = a + b + a + a$	ed?	NA			
	s, does the COC specify which phase(s) is to be analyze					
27. If ye	tract Laboratory					
27. If ye <u>Subcont</u>		?	No			

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



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Page _____ of ____

	Project li	nformation						Chain of Cus	ody											Page	e	of _/
[Client: Matador Production Company Project: -Wood Head Pad D Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy					Bill To Attention: <u>Matador Production C</u> Address: <u>On File</u> <u>City, State, Zi</u>			Lab WO# E.300104			4	Job Number Analysis and Metho						tandard x		gram SDWA RCRA	
	Phone:	te, Zip Carlsl 575-988-005 giovengo@e lue by:	5			A Company of the local division of the local	one: <u>337-319-8398</u> ail: clinton.talley@matadorr		D	TPH GRO/DRO/ORO by 8015	y 8021	, 8260	6010	Chloride 300.0		C NM	XL		NM CO	State UT AZ T	x	
	Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Numbe	r	TPH GI 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloric		BGDOC	GDOC			Remarks		
	1230	6/12/2023	S	1			BH05-4'	1								x						
	1320	6/12/2023	S	1			ВН06-6'	2				14.				x						
	1100	6/12/2023	S	1			BH07-10'	3	1							x						
												1						-				
	Additional Instructions: Preserved onice; please ce agiovenso and oburton Densolum. com																					
	I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabel date or time of collection is considered fraud and may be grounds for legal action. Sampled by:								elling the sample location,				Samples requiring thermal pr				reservation must be received o avg temp above 0 but less than			they are sampled of	or	
	Relinquished by: (Signature) Date Time 6-13-23					00	Date	613-23 Time (613-23 1000				Recei	ived o	n ice:	Lab Use Only							
		ed by: (Sigpatu	re)	Date	1322 ISJ	0	Received by: (Signature)	Date [2-13	13	Time	200		1		1.0	12			тз			
	Relinquish	ed by: (Signatu	ref	Date	13-73 Time	7106	Received by: (Signature)	Date	172	Time 7	3	5		Temp	°C (4						
	Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other							Contain	er Typ	e:g-g	glass,	p - po	ly/pla	astic, a	g - am	per glass	, v - V	OA				
	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 samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					
												(E	3		e	n	V	ira	ote	20	-+
													and the second			~ 1						



APPENDIX F

Email Correspondence

From:	Enviro, OCD, EMNRD
То:	Ashley Giovengo
Cc:	Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD
Subject:	RE: [EXTERNAL] 48-hour Liner Inspection Notification - Matador Production Company - Wool Head Pad D - nAPP2312244897
Date:	Friday, May 5, 2023 11:54:56 AM
Attachments:	image006.png image007.png image008.png image009.png

[**EXTERNAL EMAIL**]

Ashley,

Thank you for the notification. Please 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.

JΗ

Jocelyn Harimon • Environmental Specialist Environmental Bureau EMNRD - Oil Conservation Division 1220 South St. Francis Drive | Santa Fe, NM 87505 (505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov http:// www.emnrd.nm.gov



From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Thursday, May 4, 2023 10:37 AM

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

Cc: Cole Burton <cburton@ensolum.com>; Arsenio Jones <arsenio.jones@matadorresources.com>; clinton.talley@matadorresources.com

Subject: [EXTERNAL] 48-hour Liner Inspection Notification - Matador Production Company - Wool Head Pad D - nAPP2312244897

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

Hello,

We intend to perform a liner integrity inspection at Matador's Wool Head Pad D site (nAPP2312244897) on Tuesday, May 9, 2023, at 08:30 am MST.

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

Thanks,



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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	238897
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

CONDITIC		
Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has a major facility deconstruction.	10/3/2023

CONDITIONS

Action 238897